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OM protein - nucleic search, using frame_plus_p2n model

Run on: January 15, 2003, 01:03:20 ; Search time 201.444 Seconds
(without alignments)
436.033 Million cell updates/sec

Title: US-09-695-369A-27_COPY_1_197
Perfect score: 1100
Sequence: 1 MDCQENYWDQWRCVTCOR.....FEADTKAKESLFPVPPSKT 197

Scoring table: BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 393868 seqs, 222934149 residues

1 number of hits satisfying chosen parameters: 787736

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:
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-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=biosum62
-TRANS=human40.cdi -LIST=45 -DOCALLIGN=200 -THR_SCORE=pct -THR_MAX=100
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-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications_NA:*

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- 4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/ptodata/1/pubpna/PCRUS_PUBCOMB.seq:*
- 7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
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- 9: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
- 10: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
- 12: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
- 13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
- 14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1100	100.0	932	10	US-09-840-795-18 Sequence 18, Appl
2	1086	98.7	905	9	US-10-119-466-11 Sequence 11, Appl
3	495	45.0	546	10	US-09-840-795-16 Sequence 16, Appl
4	483	43.9	1660	10	US-09-780-532-1 Sequence 1, Appl

5	483	43.9	2870	9	US-10-174-590-473 Sequence 473, App
6	483	43.9	2870	9	US-10-176-758-473 Sequence 473, App
7	483	43.9	2870	12	US-10-052-586-473 Sequence 3, Appl
8	480	43.6	1325	10	US-09-780-532-3 Sequence 120, App
9	480	43.6	1502	9	US-10-114-893-120 Sequence 5, Appl
10	478	43.5	1914	10	US-09-780-532-5 Sequence 25, Appl
11	474	43.1	555	10	US-09-782-980-25 Sequence 24, Appl
12	474	43.1	642	10	US-09-782-980-24 Sequence 22, Appl
13	474	43.1	981	10	US-09-782-980-22 Sequence 14, Appl
14	471.5	42.9	474	10	US-09-840-795-14 Sequence 8, Appl
15	448	40.7	893	10	US-09-877-156-8 Sequence 29, Appl
16	406	36.9	363	10	US-09-782-980-29 Sequence 28, Appl
17	406	36.9	450	10	US-09-782-980-28 Sequence 9, Appl
18	406	36.9	623	10	US-09-877-156-9 Sequence 12, Appl
19	406	36.9	636	10	US-09-840-795-12 Sequence 26, Appl
20	406	36.9	655	10	US-09-782-980-26 Sequence 4, Appl
21	388	35.3	292	9	US-10-119-466-4 Sequence 14, Appl
22	142	12.9	1878	9	US-09-877-650-14 Sequence 14, Appl
23	142	12.9	1878	10	US-09-871-856-14 Sequence 6, Appl
24	142	12.9	4622	10	US-09-924-231-6 Sequence 3, Appl
25	140.5	12.8	1290	10	US-09-057-951-3 Sequence 3, Appl
26	140.5	12.8	1290	12	US-10-105-150-3 Sequence 1, Appl
27	140.5	12.8	2570	10	US-09-057-951-1 Sequence 1, Appl
28	140.5	12.8	2570	12	US-10-105-150-1 Sequence 1, Appl
29	140.5	12.8	2703	10	US-09-836-607-1 Sequence 1, Appl
30	137.5	12.5	1704	12	US-10-020-787-1 Sequence 1, Appl
31	137.5	12.5	1724	10	US-09-924-231-1 Sequence 14, Appl
32	137.5	12.5	1724	10	US-09-934-289A-14 Sequence 43, Appl
33	135	12.3	831	10	US-09-934-289A-43 Sequence 21, Appl
34	135	12.3	1334	9	US-09-899-429A-21 Sequence 41, Appl
35	135	12.3	1834	10	US-09-934-289A-41 Sequence 1, Appl
36	132.5	12.0	1929	10	US-09-934-289A-1 Sequence 3, Appl
37	132	12.0	705	10	US-09-907-263-3 Sequence 1, Appl
38	132	12.0	1641	10	US-09-758-124-1 Sequence 1, Appl
39	132	12.0	2224	10	US-09-800-909-1 Sequence 2, Appl
40	132	12.0	2224	10	US-09-800-908-2 Sequence 1187, Ap
41	132	12.0	3683	10	US-09-954-456-1187 Sequence 8, Appl
42	131.5	12.0	5870	10	US-09-838-718A-8 Sequence 31, Appl
43	131	11.9	558	10	US-09-934-289A-31 Sequence 3, Appl
44	131	11.9	579	10	US-09-934-289A-3 Sequence 19, Appl
45	131	11.9	591	10	US-09-934-289A-19 Sequence 19, Appl

ALIGNMENTS

RESULT 1
US-09-840-795-18
Sequence 18, Application US/09840795
Patent No. US20020143147A1
GENERAL INFORMATION:
APPLICANT: Murphy, Erin E.
APPLICANT: Mattson, Jeanine D.
APPLICANT: Bates, Elizabeth Esther Mary
APPLICANT: Gorman, Daniel M.
APPLICANT: Lebecque, Serge J.E.
TITLE OF INVENTION: Mammalian Genes; Related Reagents
FILE REFERENCE: SF0818K
CURRENT APPLICATION NUMBER: US/09/840,795
CURRENT FILING DATE: 2001-04-23
PRIOR APPLICATION NUMBER: 09/351,777
PRIOR FILING DATE: 1999-07-12
NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patent Ver. 2.0
SEQ ID NO 18
LENGTH: 932
TYPE: DNA
ORGANISM: primate
FEATURE:
NAME/KEY: CDS
LOCATION: (78)..(770)
NAME/KEY: misc_feature
LOCATION: (782)
OTHER INFORMATION: n; may be A, C, G, or T

↑ wrong seq 1-297! (w-did (2/22 B.O.B))

US-09-840-795-18

Alignment Scores:

Pred. No.:	5.38e-111	Length:	932
Score:	1100.00	Matches:	197
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	10	Gaps:	0

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QY      1 MetaspCysGlnGluasnGluTrpPaspGlnTrpGlyArgCysValThrCysGlnArg 20
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DB      78 ATGATGTCCTGCAAGAAATGAGTACTGGACCAATGGGACGGGTGTCTCACCCTGCAACGG 137

C      21 CysGlyProGlyGlnGluSerLysAspCysGlyTyrglyGlyGlnGlyAspAlaTyr 40
          |||||||
DB     138 TGTGTCTCTGGACAGAGAGCTATCCAAAGATTTGTTATGAGAGGGTGGAGATGCTTAC 197

QY      41 CysThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSer 60
          |||||||
DB     198 TGCACAGCCTGCCCTCCTCGCAGGTACAAAGACAGCTGGGGCCACACAATGTCAAGAT 257

QY      61 CysIleThrCysAlaValIleasnArgValGlnLysValasnCysThrAlaThrSerAsn 80
          |||||||
DB     258 TGCATCACCTGTGTCTGTATCATTCAGTGTCTCAGAGAGGTCAACTGCACAGCTACCTCTAAT 317

QY      81 AlaValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyLeuGln 100
          |||||||
DB     318 GCTGTCTGTGGGAGACTGTTTGGCCAGGTTCTACCGAAAGACACAGCATGTGAGGCTGCAG 377

QY     101 AspGlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPhe 120
          |||||||
DB     378 GACCAAGAGTGCATCCCGTGCACGAGACAGACCCCACTCTGAGGTTCAATGTGCCCTTC 437

QY     121 GlnLeuSerLeuValGlnAlaAspAlaProThrValProProGlnGluAlaThrLeuVal 140
          |||||||
DB     438 CAGTTGAGCTTAGTGGAGGAGATGACACCCACAGTCCCTCAGAGAGGCCACACTTGT 497

QY     141 AlaLeuValSerSerLeuLeuValValPheThrLeuAlaPheLeuGlyLeuPhePheLeu 160
          |||||||
DB     498 GCACCTGTGAGACAGCCTGCTAGTGGTGTTTAACTGCGCTCTCCGGGGCTCTTCTTCCTC 557

Q      161 TyrCysLysGlnPhePheAsnArgHisCysGlnArgGlyGlyLeuLeuGlnPheGluAla 180
          |||||||
DB     558 TACTGCACAGCAGTCTTCAACAGACATTTGCCAGCGGTGGAGGTTGCTGACAGTTTGAGGCT 617

QY     181 AspLysThrAlaLysGlnGluSerLeuPheProValProProSerLysGln 197
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DB     618 GATAAACAGCAAGAGGAGAAATCTCTCTCCCGTGCACCCAGCAAGGAG 668
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RESULT 2

US-10-119-466-11

; Sequence 11, Application US/10119466
; Patent No. US20020168674A1

; GENERAL INFORMATION:

; APPLICANT: Chui, Clarissa
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Milton, Sean
; APPLICANT: Yau, Minhong
; APPLICANT: Yi, Sothy
; TITLE OF INVENTION: CLONING METHOD
; FILE REFERENCE: P1797
; CURRENT APPLICATION NUMBER: US/10/119,466
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: US/09/480,782
; NUMBER OF SEQ ID NOS: 12

; SEQ ID NO 11

; LENGTH: 905

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:
; NAME/KEY: Homo sapiens
; LOCATION: 1-905
; OTHER INFORMATION: Sequence source: ORF position 4 - 903 bp
US-10-119-466-11

Alignment Scores:

Pred. No.:	1.73e-109	Length:	905
Score:	1086.00	Matches:	196
Percent Similarity:	98.99%	Conservative:	1
Best Local Similarity:	98.49%	Mismatches:	0
Query Match:	98.73%	Indels:	2
DB:	9	Gaps:	1

US-09-695-369a-27_COPY_1_197 (1-197) x US-10-119-466-11 (1-905)

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QY      1 MetaspCysGlnGluasnGluTrpPaspGlnTrpGlyArgCysValThrCysGlnArg 20
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DB      4 ATGATGTCCTGCAAGAAATGAGTACTGGACCAATGGGACGGGTGTCTCACCCTGCAACGG 63

QY     21 CysGlyProGlyGlnGluSerLysAspCysGlyTyrglyGlyGlnGlyAspAlaTyr 40
          |||||||
DB     64 TGTGTCTCTGGACAGAGAGCTATCCAAAGATTTGTTATGAGAGGGTGGAGATGCTTAC 123

QY     41 CysThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSer 60
          |||||||
DB     124 TGCACAGCCTGCCCTCCTCGCAGGTACAAAGACAGCTGGGGCCACACAATGTCAAGAT 183

QY     61 CysIleThrCysAlaValIleasnArgValGlnLysValasnCysThrAlaThrSerAsn 80
          |||||||
DB     184 TGCATCACCTGTGTCTGTATCATTCAGTGTCTCAGAGAGGTCAACTGCACAGCTACCTCTAAT 243

QY     81 AlaValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyLeuGln 100
          |||||||
DB     244 GCTGTCTGTGGGAGACTGTTTGGCCAGGTTCTACCGAAAGACACAGCATTTGAGGCTGCAG 303

QY     101 AspGlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPhe 120
          |||||||
DB     304 GACCAAGAGTGCATCCCGTGCACAGACAGACCCCACTCTGAGGTTCAATGTGCCCTTC 363

QY     121 GlnLeuSerLeuValGlnAlaAspAlaProThrValProProGlnGluAlaThrLeuVal 140
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DB     364 CAGTTGAGCTTAGTGGAGGAGATGACACCCACAGTCCCTCAGAGAGGCCACACTTGT 423

QY     141 AlaLeuValSerSerLeuLeuValValPheThrLeuAlaPheLeuGlyLeuPhePheLeu 160
          |||||||
DB     424 GCACCTGTGAGACAGCCTGCTAGTGGTGTTTAACTGCGCTCTCCGGGGCTCTTCTTCCTC 483

QY     161 TyrCysLysGlnPhePheAsnArgHisCysGlnArg-----GlyGlyLeuLeuGlnPhe 178
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QY     179 GluAlaAspLysThrAlaLysGlnGluSerLeuPheProValProProSerLysGln 197
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DB     544 GAGGCTGATAAAACAGCAAGAGGAGAAATCTCTTCCCGTGCACCCAGCAAGGAG 600
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RESULT 3

US-09-840-795-16

; Sequence 16, Application US/09840795
; Patent No. US20020143147A1

; GENERAL INFORMATION:

; APPLICANT: Murphy, Erin E.
; APPLICANT: Mattson, Jeanine D.
; APPLICANT: Bates, Elizabeth Esther Mary
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Lebecque, Serge J.E.
; TITLE OF INVENTION: Mammalian Genes; Related Reagents
; FILE REFERENCE: SF0818K
; CURRENT APPLICATION NUMBER: US/09/840,795
; PRIOR FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: 09/351,777
; PRIOR FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 19

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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
; LENGTH: 546
; TYPE: DNA
; ORGANISM: primate
; FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (78)..(308)
;   NAME/KEY: misc_feature
;   LOCATION: (317)
;   OTHER INFORMATION: n; may be A, C, G, or T
;   NAME/KEY: misc_feature
;   LOCATION: (340)
;   OTHER INFORMATION: n; may be A, C, G, or T
;   NAME/KEY: misc_feature
;   LOCATION: (351)
;   OTHER INFORMATION: n; may be A, C, G, or T
;   NAME/KEY: misc_feature
;   LOCATION: (389)
;   OTHER INFORMATION: n; may be A, C, G, or T
;   NAME/KEY: misc_feature
;   LOCATION: (398)
;   OTHER INFORMATION: n; may be A, C, G, or T
;   NAME/KEY: misc_feature
;   LOCATION: (428)
;   OTHER INFORMATION: n; may be A, C, G, or T
;   NAME/KEY: misc_feature
;   LOCATION: (429)
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;   NAME/KEY: misc_feature
;   LOCATION: (433)
;   OTHER INFORMATION: n; may be A, C, G, or T
;   NAME/KEY: misc_feature
;   LOCATION: (452)
;   OTHER INFORMATION: n; may be A, C, G, or T
;   NAME/KEY: misc_feature
;   LOCATION: (468)
;   OTHER INFORMATION: n; may be A, C, G, or T
;   NAME/KEY: misc_feature
;   LOCATION: (483)
;   OTHER INFORMATION: n; may be A, C, G, or T
;   NAME/KEY: misc_feature
;   LOCATION: (534)
;   OTHER INFORMATION: n; may be A, C, G, or T
;   NAME/KEY: misc_feature
;   LOCATION: (541)
;   OTHER INFORMATION: n; may be A, C, G, or T
; US-09-840-795-16

Alignment Scores:
Pred. No.:      2.27e-45      Length:      546
v:              495.00        Matches:      96
Percent Similarity: 70.92%      Conservative:  4
Best Local Similarity: 68.09%      Mismatches:   31
Query Match:      45.00%      Indels:       10
DB:               10          Gaps:          3

US-09-695-369A-27_COPY_1_197 (1-197) x US-09-840-795-16 (1-546)
QY 1 MetAspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArg 20
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QY 21 CysGlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlnGlyAspAlaTyr 40
Db 138 TGTGGTCTGGACAGAGGATTCACAGGATGTGTATGAGAGAGGTGAGATGCTTAC 197
QY 41 CysThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSer 60
Db 198 TGCACAGCCTGCCCTCTCGCAGGTACAAAGACAGCTGGGGCCACCAATGTGAGAGT 257
QY 61 CysIleThrCysAlaValIleAsnArgValGlnLysVal-AspCysThrAla-ThrSera 80
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Db 258 TGCATCACCTGTGCTGTCATCATCGTGTCAAGAGTCCAACTGCACAGCTAACCTCTN 317
QY 80 snAlaValCysGlyAspCysLeuProArgPheTyrArgLysThr-----ArgI 96
Db 318 ATGCTGTCTGTGGGGATGTTGNCCCAAGTTCTNACCGAAAGACACCGCATGGGAAGGC 377
QY 96 IeGlyGlyLeuGlnAspGlnGluCysIleProCysThrLysGlnThrPro-----Thrs 114
Db 378 TGGCAGGA-----CCANGAATGGCCNTCCGCTGGCAGAAAGCCAGACCCCAACNNCT 431
QY 114 exGluValGlnCysAlaPheGlnLeuSerLeuValGluAlaAspAlaProThrValPro 133
Db 432 GNAGGTTCCAATGTGGCCTTNCCTATTGGAAGCTTANTGGGAAGCAGATGNCAACCCA 490

RESULT 4
US-09-780-532-1
; Sequence 1, Application US/09780532
; Patent No. US20020068696A1
; GENERAL INFORMATION:
;   APPLICANT: Wood, Clive
;   APPLICANT: Chaudhary, Divya
;   APPLICANT: Long, Andrew
;   TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
;   FILE REFERENCE: GNN-012CP
;   CURRENT APPLICATION NUMBER: US/09/780,532
;   PRIOR APPLICATION NUMBER: 60/181,922
;   PRIOR FILING DATE: 2000-02-11
;   PRIOR APPLICATION NUMBER: 60/182,148
;   PRIOR FILING DATE: 2000-02-14
;   NUMBER OF SEQ ID NOS: 10
;   SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1660
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (1)..(1251)
; US-09-780-532-1

Alignment Scores:
Pred. No.:      2.3e-43      Length:      1660
Score:          483.00        Matches:      87
Percent Similarity: 59.18%      Conservative:  29
Best Local Similarity: 44.39%      Mismatches:   80
Query Match:      43.91%      Indels:       0
DB:               10          Gaps:          0

US-09-695-369A-27_COPY_1_197 (1-197) x US-09-780-532-1 (1-1660)
QY 2 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21
Db 97 GACTGTAGACAGCAAGATTCAGGATCGGTCTGGAAGTGTGTCCTGCAACCAAGTGT 156
QY 22 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlnGlyAspAlaTyrCys 41
Db 157 GGGCCAGGCATGGAGTGTCTAAGGATGTGGCTTCGGCTATGGGAGGAGATGCACAGTGT 216
QY 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61
Db 217 GTGAGTGCCGGCTGCAACAGGTTCAGAGGAGGACGTGGGCTTCAGAAATGCAAGCCCTGT 276
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSeraAla 81
Db 277 CTGACATCGCAGAGTGTGAACCGCTTCAGAGGCAAAATGTGTAGCCACCAAGATGACC 336
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyGlyLeuGlnAsp 101
Db 337 ATCTCGGGGAGACTGCTTGCACAGATTTTATAGAGAAGCAAGAACTTTCGGCTTCAAGAC 396
QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
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Db 397 ATGAGTGTGCTTGTGAGACCCCTCCTCCTTACGAAACCGACATGCGCAGCAAG 456
QY 122 LeuSerLeuValGluAlaAspAlaProThrValProProGlnGluAlaThrLeuValAla 141
Db 457 GTCAACCTCGTGAAGATCGCGCTCCACGGCCCTCCAGCCACGGGACACGGCGCTGGCTGCC 516
QY 142 LeuValSerSerLeuLeuValValPheThrLeuAlaPheLeuGlyLeuPhePheLeuTyr 161
Db 517 GTTATCTGACGGCTCTGGCCACCGCTCCGCTGGCCCTGCTCATCTCTGCTGCTCATCTAT 576
QY 162 CysLysGlnPhePheAsnArgHisCysGlnArgGlyGlyLeuLeuGlnPheGluAlaAsp 181
Db 577 TGTAAAGACAGACTTTATGAGAAAGAAACCCAGCTGGTCTGCGGTGTCACAGGACATTCAG 636
QY 182 LysThrAlaLysGluGluSerLeuPheProValProProSerLysGlu 197
Db 637 TACAACGGCTCTGAGCTGTGCTGTTTGAACAGACCTCAGCTCCACGAA 684

RESULT 5
US-10-174-590-473

; Sequence 473, Application US/10174590
; Publication No. US20030008352A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C42
; CURRENT APPLICATION NUMBER: US/10/174,590
; CURRENT FILING DATE: 2002-06-18
; Prior application removed - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
; -174-590-473

Alignment Scores:

Pred. No.: 5.07e-43 Length: 2870
Score: 483.00 Matches: 87
Percent Similarity: 59.18% Conservative: 29
Best Local Similarity: 44.39% Mismatches: 80
Query Match: 43.91% Indels: 0
DB: 9 Gaps: 0

US-09-695-369a-27_COPY_1_197 (1-197) x US-10-174-590-473 (1-2870)

QY 2 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21
Db 281 GACTGTAGACAGCAAGAAATTCAGGGATCGGTCTGGAACCTGTGTTCCCTGCAACCACTGT 340
QY 22 GlyProGlnGlnGluLeuSerLysAspCysGlyTyrGlyGlyGlyGlyAlaPheTyrCys 41
Db 341 GGGCAGGCATGAGATTGCTTAAGGAATGTGGCTTCGGCTATGGGGAGAGATGCACAGTGT 400
QY 42 ThrAlaCysProProArgArgTyrTyrLysSerSerTrpGlyHisLysCysGlnSerCys 61
Db 401 GTGACGTGCCGGCTGCACAGGTTCAAGAGAGAGACTGGGCTTCCAGAAATGCAGCCCTGT 460
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAla 81
Db 461 CTGACTGCGCAGCTGTGAACCGCTTTCAGAAAGGCAAAATGTTCAGCCACAGTGATGCC 520

QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyGlyLeuGlnAsp 101
Db 521 ATCTCGGGGAGACTGCTTGGCAGGATTTTATGGAAGACGAAACTGTGCGGCTTTCAGAAC 580
QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
Db 581 ATGAGTGTGTGCTTGTGGAGAGACCCCTCCTCCTTACGAACCGCACTGTGCCAGCAAG 640
QY 122 LeuSerLeuValGluAlaAspAlaProThrValProProGlnGluAlaThrLeuValAla 141
Db 641 GTCAACCTCGTGAAGATTCGCGCTCCACGGCCCTCCAGCCACGGGACACGGCGCTGGCTGCC 700
QY 142 LeuValSerSerLeuLeuValValPheThrLeuAlaPheLeuGlyLeuPhePheLeuTyr 161
Db 701 GTTATCTGACGGCTCTGGCCACCGCTCCTGCTGGCCCTGCTCATCTCTGCTCATCTAT 760
QY 162 CysLysGlnPhePheAsnArgHisCysGlnArgGlyGlyLeuLeuGlnPheGluAlaAsp 181
Db 761 TGTAAAGACAGCTTTATGAGAAAGAAACCCAGCTGGTCTCTGCGGTGCGACGACATTCAG 820

RESULT 6
US-10-176-758-473

; Sequence 473, Application US/10176758
; Publication No. US20030008353A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C104
; CURRENT APPLICATION NUMBER: US/10/176,758
; CURRENT FILING DATE: 2002-06-21
; Prior application removed - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-10-176-758-473

Alignment Scores:

Pred. No.: 5.07e-43 Length: 2870
Score: 483.00 Matches: 87
Percent Similarity: 59.18% Conservative: 29
Best Local Similarity: 44.39% Mismatches: 80
Query Match: 43.91% Indels: 0
DB: 9 Gaps: 0

US-09-695-369a-27_COPY_1_197 (1-197) x US-10-176-758-473 (1-2870)

QY 2 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21
Db 281 GACTGTAGACAGCAAGAAATTCAGGGATCGGTCTGGAACCTGTGTTCCCTGCAACCACTGT 340
QY 22 GlyProGlnGlnGluLeuSerLysAspCysGlyTyrGlyGlyGlyGlyAlaPheTyrCys 41
Db 341 GGGCAGGCATGAGATTGCTTAAGGAATGTGGCTTCGGCTATGGGGAGAGATGCACAGTGT 400
QY 42 ThrAlaCysProProArgArgTyrTyrLysSerSerTrpGlyHisLysCysGlnSerCys 61

Db 401 GTGACGTGCCGGCTGCACAGCTTCAAGAGCACTGGGGCTTCCAGAAATGCAAGCCCTGT 460
QY 62 ILeThrcysAlaValIleasnArgValGlnIlyValasnCysThrAlaThrSerAsnAla 81
::: |||||:::||||| ||||| |||||:::|||||:::|||||
Db 461 CTGAGCTGCCAGTGTGTGAACCGCTTTCAGAAAGCAATGTGTACGCCACCAAGTGAATGCC 520
QY 82 ValCysGlyaspCysLeuProArpPheTyrArgIlyThrArgIleGlyGlyLeuGlnasp 101
:::|||||:::||||| ||||| |||||:::|||||:::|||||
Db 521 ATCTCGGGGACTGCTTGGCCAGGATTTTATAGGAAGACGAAACTTGTGGCTTTCAAGAC 580
QY 102 GlnGluCysIleProCysThrIlyGlnThrProThrSerGluValGlnCysAlaPheGln 121
|||||:::||||| ||||| ||||| |||||:::|||||
Db 581 ATGAGTGTGTGCTTGTGAGACCCCTCCTCCTTACGAACCGCACTGTGCCAGCAAG 640
QY 122 LeuSerLeuValGluAlaAspAlaProThrValProProGlnGluAlaThrLeuValAla 141
:::|||||:::||||| ||||| |||||:::|||||
Db 641 GTCAACCTCGTGAAGATCGCGCTCCACGGCTCCAGCCACGGGACACGGCGCTGGCTGCC 700
QY 142 LeuValSerSerLeuLeuValAlaPheThrLeuAlaPheLeuGlyLeuPhePheLeuTyr 161
:::|||||:::||||| ||||| ||||| |||||:::|||||
Db 701 GTTATCTGCAGCGCTCTGGCCACCGCTCCTGCTGGCCCTGCTCACTCTGTGTATCTAT 760
O 162 CysLysGlnPhePheAsnArgHisCysGlnArgGlyGlyLeuLeuGlnPheGluAlaasp 181
|||||:::||||| ||||| ||||| |||||:::|||||
D 761 TGTAGAGACAGTTTATGAGAGAAAGAACCCAGCTGGTCTCTGCGGGTGACAGACATTTCAG 820
QY 182 LysThrAlaLysGluGluSerLeuPheProValProProSerLysGlu 197
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Db 821 TACAACGGCTCTGAGCTGTGTTTGTGACAGACCTCAGCTCCACGAA 868

RESULT 7
US-10-052-586-473

; Sequence 473, Application US/10052586
; Patent No. US20020127584A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C1

; CURRENT APPLICATION NUMBER: US/10/052,586
; CURRENT FILING DATE: 2002-01-15

; RIOR APPLICATION NUMBER: 60/059263
; RIOR FILING DATE: 1997-09-18

; RIOR APPLICATION NUMBER: 60/059266
; RIOR FILING DATE: 1997-09-18

; RIOR APPLICATION NUMBER: 60/062250
; RIOR FILING DATE: 1997-10-17

; RIOR APPLICATION NUMBER: 60/063120
; RIOR FILING DATE: 1997-10-24

; RIOR APPLICATION NUMBER: 60/063121
; RIOR FILING DATE: 1997-10-24

; RIOR APPLICATION NUMBER: 60/063486
; RIOR FILING DATE: 1997-10-21

; RIOR APPLICATION NUMBER: 60/063540
; RIOR FILING DATE: 1997-10-28

; RIOR APPLICATION NUMBER: 60/063541
; RIOR FILING DATE: 1997-10-28

; RIOR APPLICATION NUMBER: 60/063544
; RIOR FILING DATE: 1997-10-28

; RIOR APPLICATION NUMBER: 60/063564
; RIOR FILING DATE: 1997-10-28

; RIOR APPLICATION NUMBER: 60/063734
; RIOR FILING DATE: 1997-10-29

; RIOR APPLICATION NUMBER: 60/063870
; RIOR FILING DATE: 1997-10-31
; RIOR APPLICATION NUMBER: 60/064103
; RIOR FILING DATE: 1997-10-31
; RIOR APPLICATION NUMBER: 60/065311
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; RIOR APPLICATION NUMBER: 60/066120
; RIOR FILING DATE: 1997-11-21
; RIOR APPLICATION NUMBER: 60/066466
; RIOR FILING DATE: 1997-11-24
; RIOR APPLICATION NUMBER: 60/066772
; RIOR FILING DATE: 1997-11-24
; RIOR APPLICATION NUMBER: 60/069425
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; RIOR FILING DATE: 1997-12-17
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; RIOR FILING DATE: 1997-12-18
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; RIOR APPLICATION NUMBER: 60/077632
; RIOR FILING DATE: 1998-03-11
; RIOR APPLICATION NUMBER: 60/077649
; RIOR FILING DATE: 1998-03-11
; RIOR APPLICATION NUMBER: 60/078886
; RIOR FILING DATE: 1998-03-20
; RIOR APPLICATION NUMBER: 60/078939
; RIOR FILING DATE: 1998-03-20
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; RIOR FILING DATE: 1998-03-31
; RIOR APPLICATION NUMBER: 60/080194
; RIOR FILING DATE: 1998-03-31
; RIOR APPLICATION NUMBER: 60/080327
; RIOR FILING DATE: 1998-04-01
; RIOR APPLICATION NUMBER: 60/080333
; RIOR FILING DATE: 1998-04-01
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; RIOR FILING DATE: 1998-04-09
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; RIOR FILING DATE: 1998-04-15
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; RIOR FILING DATE: 1998-04-21
; RIOR APPLICATION NUMBER: 60/082569
; RIOR FILING DATE: 1998-04-21
; RIOR APPLICATION NUMBER: 60/082704
; RIOR FILING DATE: 1998-04-22
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; RIOR FILING DATE: 1998-04-22
; RIOR APPLICATION NUMBER: 60/083322
; RIOR FILING DATE: 1998-04-28
; RIOR APPLICATION NUMBER: 60/083495
; RIOR FILING DATE: 1998-04-29
; RIOR APPLICATION NUMBER: 60/083496
; RIOR FILING DATE: 1998-04-29
; RIOR APPLICATION NUMBER: 60/083499
; RIOR FILING DATE: 1998-04-29
; RIOR APPLICATION NUMBER: 60/083559
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; RIOR FILING DATE: 1998-05-05
; RIOR APPLICATION NUMBER: 60/084414
; RIOR FILING DATE: 1998-05-06
; RIOR APPLICATION NUMBER: 60/084639

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; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/086023
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/086392
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/086486
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/087098
; PRIOR FILING DATE: 1998-05-28
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; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
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; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
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; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088722
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088740
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088811
; PRIOR FILING DATE: 1998-06-10
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; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088825
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088863
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089090
; PRIOR FILING DATE: 1998-06-12

; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089908

Alignment Scores:
Pred. No.: 5.07e-43 Length: 2870
Score: 483.00 Matches: 87
Percent Similarity: 59.18% Conservative: 29
Best Local Similarity: 44.39% Mismatches: 80
Query Match: 43.91% Indels: 0
DB: 12 Gaps: 0

US-09-695-369a-27_COPY_1_197 (1-197) x US-10-052-586-473 (1-2870)

QY 2 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21
Db 281 GACTGTAGACAGCAAGAATTCAGGGATCGGTCTGAAACTGTGTCCCTGCACACAGTGT 340

QY 22 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGluGlyLysAspAlaTyrCys 41
Db 341 GGGCCAGGATGAGTGTGTCTAAGGAATGTGCTTGGCTATGGGAGAGTCACAGTGT 400

QY 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61
Db 401 GTGACGTGCGCGCTGCACAGCTTCAAGAGAGACTGGGCTTCCAGAAATGCCAAGCCCTGT 460

QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
Db 461 CTGGACTGCGCAGTGTGTGAACCGCTTTCAGAGGCAATGTTCAGCCACAGTATGCC 520

QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgLysGlyLeuGlnAsp 101
Db 521 ATCTCGGGGAGCTGCTTCCAGGATTTTATAGGAAGACCAACTGTGTGGCTTCAAGAC 580

QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
Db 581 ATGAGTGTGTGCTTGTGGAGACCCCTCTCTCTTACGAACCGCACTGTGTGGCAGCAG 640

QY 122 LeuSerLeuValGluAlaAspAlaProThrValProGlnGlnAlaThrLeuValAla 141
Db 641 GTCAACCTGTGAAGATGCGCTCCAGCGCTCCAGCCACAGGACAGCGCGTGGCTGCC 700

QY 142 LeuValSerSerLeuLeuValAlaPheThrLeuAlaPheLeuGlyLeuPheLeuTyr 161
Db 701 GTTATCTGCAGCGCTGTGCGCACCGTCTGCTGCGCTGCTCATCTCTGTCTCATCTAT 760

QY 162 CysLysGlnPhePheAsnArgHisCysGlnArgGlyLeuLeuGlnPheGluAlaAsp 181
Db 761 TGTAGAGACAGTTATGTGAGAGAAACCCAGCTGTCTCTGCGGTGCGAGAGATTCAG 820

QY 182 LysThrAlaLysGluGluSerLeuPheProValProProSerLysGlu 197
Db 821 TACAACGGCTCTGAGCTGTCTGTTTTCAGACAGACTCAGCTCAGCGAA 868

RESULT 8
US-09-780-532-3
; Sequence 3, Application US/09780532
; Patent No. US20020068696A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
```

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; FILE REFERENCE: GNM-012CP
; CURRENT APPLICATION NUMBER: US/09/780,532
; CURRENT FILING DATE: 2001-02-09
; PRIORITY APPLICATION NUMBER: 60/181,922
; PRIORITY FILING DATE: 2000-02-11
; PRIORITY APPLICATION NUMBER: 60/182,148
; PRIORITY FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 1325
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1269)
; US-09-780-532-3
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Alignment Scores:
Pred. No.: 3.53e-43 Length: 1325
Score: 480.00 Matches: 92
Percent Similarity: 59.62% Conservative: 32
Best Local Similarity: 44.23% Mismatches: 68
Query Match: 43.64% Indels: 17
Gaps: 3
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US-09-695-369a-27_COPY_1_197 (1-197) x US-09-780-532-3 (1-1325)

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QY 2 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21
Db 97 GACTGTAGACAGCAAGATTCAGGAGTCGCTCGAAGATGTTCCCTGCAACAGTGT 156
QY 22 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlnGlyGlyAspAlaTyrCys 41
Db 157 GGGCCAGGATGAGATGTTCTAAGGATGTGGCTTCGGCTATGGGAGGATGCACAGTGT 216
QY 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61
Db 217 GTGACGTGCCGGCTGCACAGGTTCAAGAGGAGACTGGGCTTCAGAAATGCAAGCCTGT 276
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
Db 277 CTGACTGCCGACAGTGTGTAACCGCTTTCAGAGCAAAATGTTTCAGCCACAGTGTGCC 336
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyGlyLeuGlnAsp 101
Db 337 ATCTGCGGGAGCTGCTTGCAGATTTATAGAGACGAACACTTTCGCGCTTTCAGAGAC 396
QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
Db 397 ATGAGTGTGTGCTTGTGTGAGAGACCCCTTCCTCCCTTACGAACCCGACTGTGCCACAAG 456
QY 122 LeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuValAla 141
Db 457 GTCAACCTGCTGAAGATGCGCTCCACAGGCTCCAGCCACAGGAGCGGCTGGCTGCC 516
QY 142 LeuValSerSerLeuLeuValValPheThrLeuAlaPheLeuGlyLeuPhePheLeuTyr 161
Db 517 GTTATCTGCGAGCTGTGCGCCACCGCTGCTGCGCTGCTGCTGCTGCTGCTGCTGCTAT 576
QY 162 CysLysGlnPhePhe-----LeuLeuGlnPheGlnAlaAspLysThrAlaLysGln 171
Db 577 TGTAAAGACAGATTATGAGAGAAACCCAGCTGTCTCTGCGGTTCACAGACATTCAG 636
QY 172 ArgGlyGly-----LeuLeuGlnPheGlnAlaAspLysThrAlaLysGln 186
Db 637 TACACGCGCTCTGAGCTGTGCTGTCTGTA-CAGACCTCAGCTCCACGATATATGC---CCA 692
QY 187 GluSerLeuPheProValProPro 194
Db 693 CAGAGCCTGCTGCGAGTGTGCCGCG 716
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RESULT 9

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US-10-114-893-120
; Sequence 120, Application US/10114893
; Publication No. US20020193567A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
; APPLICANT: LaVallie, Edward R.
; APPLICANT: Collins-Racie, Lisa A.
; APPLICANT: Evans, Cheryl
; APPLICANT: Werberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Bowman, Michael R.
; APPLICANT: Spaulding, Vikki
; APPLICANT: Carlin-Duckett, McKeough
; APPLICANT: Kelleher, Kerry S.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: GI 6000-10A
; CURRENT APPLICATION NUMBER: US/10/114,893
; CURRENT FILING DATE: 2002-04-02
; EARLIER APPLICATION NUMBER: 09/413,232
; EARLIER FILING DATE: 1999-10-06
; NUMBER OF SEQ ID NOS: 321
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 120
; LENGTH: 1502
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-114-893-120
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Alignment Scores:
Pred. No.: 4.23e-43 Length: 1502
Score: 480.00 Matches: 92
Percent Similarity: 59.62% Conservative: 32
Best Local Similarity: 44.23% Mismatches: 68
Query Match: 43.64% Indels: 17
Gaps: 3
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US-09-695-369a-27_COPY_1_197 (1-197) x US-10-114-893-120 (1-1502)

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QY 2 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21
Db 147 GACTGTAGACAGCAAGATTCAGGAGTCGCTCGAAGATGTTCCCTGCAACAGTGT 206
QY 22 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlnGlyGlyAspAlaTyrCys 41
Db 207 GGGCCAGGATGAGATGTTCTAAGGATGTGGCTTCGGCTATGGGAGGAGATGCACAGTGT 266
QY 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61
Db 267 GTGACGTGCCGGCTGCACAGGTTCAAGAGGAGACTGGGCTTCAGAAATGCAAGCCTGT 326
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
Db 327 CTGACTGCCGACAGTGTGTAACCGCTTTCAGAGCAAAATGTTTCAGCCACAGTGTGCC 386
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyGlyLeuGlnAsp 101
Db 387 ATCTGCGGGAGCTGCTTGCAGATTTATAGAGACGAACACTTTCGCGCTTTCAGAGAC 446
QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
Db 447 ATGAGTGTGTGCTTGTGAGAGACCCCTTCCTCCCTTACGAACCCGACTGTGCCACAAG 506
QY 122 LeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuValAla 141
Db 507 GTCAACCTGCTGAAGATGCGCTCCACAGGCTCCAGCCACAGGAGCGGCTGGCTGCC 566
QY 142 LeuValSerSerLeuLeuValValPheThrLeuAlaPheLeuGlyLeuPhePheLeuTyr 161
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QY 162 CysLysGlnPhePhe-----AsnArgHisCysGln 171
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Db 627 TGTAGAGACAGTTATATGAGAGAAACCAGCTGCTCTCTGCGGTACACAGACATTCAG 686
QY 172 ArgGlyGly-----LeuLeuGlnPheGlnAlaAspLysThrAlaLysGlu 186
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RESULT 10
US-09-780-532-5
; Sequence 5, Application US/09780532
; Patent No. US2002006866A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNN-012CP
; CURRENT APPLICATION NUMBER: US/09/780,532
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 1914
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1248)
US-09-780-532-5

Alignment Scores:
Pred. No.: 9,91e-43 Length: 1914
Score: 478.00 Matches: 84
Percent Similarity: 54.81% Conservative: 30
Best Local Similarity: 40.38% Mismatches: 66
Query Match: 43.45% Indels: 28
Gaps: 1

US-v9-695-369a-27_COPY_1_197 (1-197) x US-09-780-532-5 (1-1914)
QY 2 AspCysGlnGlnuAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21
Db 97 GATTGCAGGACAGCAGCAATTCAGGAATCGATCTGGAACCTGTCTCTGCAACAGTGC 156
QY 22 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGluGlyGlyAspAlaTyrCys 41
Db 157 GGACCTGGCATGAGTGTCCAAAGAAATGTGGCTTATGGGAGAGATGCACAGTGT 216
QY 42 ThrAlaCysProProArgArgTyrLysSerSerSerTrpGlyHisHisLysCysGlnSerCys 61
Db 217 GTGCCCTGCAGCGCCGACCGTTCAAGAGAAAGACTGGGGTTTCCAGAAGTGTAGCCATGT 276
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
Db 277 GCGGACTGTGCGCTGTGGAACCGCTTTCAGAGGGCCAACTGCTCACACACACAGTGTCT 336
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgLysGlyLeuGlnAsp 101
Db 337 GTCTGGGGGACTGCTGCGCAGGATTTTACCGGAAGACCAAACTGCTTGTGTTTCAAGAC 396
QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
Db 397 ATGAGTGTGTGCCCTGCGGAGAGACCACTCTCTCTACGAACCACTGTACCAACAAG 456
QY 122 LeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuValAla 141
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Db 457 GTGAACCTTGTGAAGATCTCTCCACACCGTCTCCAGCCCTCGGACACAGCGCTGGCTGCC 516
QY 142 LeuValSerSerLeuLeuValValPheThrLeuAlaPheLeuGlyLeuPhePheLeuTyr 161
Db 517 GTCATGTGCAGTGTCTGTGGCCACGGTGTCTGTCCCTGTCTCATTCCTGTGTCTCATCTAC 576
QY 162 CysLysGlnPhePheAsn----- 167
Db 577 TGCAGAGGACAGTTCATGAGAGAAACCAGCTGTCTCTGTGGGTACAGACATTCAG 636
QY 168 -----ArgHisCysGlnArgGly 173
Db 637 TACAATGGCTCTGAGCTGTCAAGCTTTTGACCAGCCTCGGCTCGCCACTGTGCCCATAGA 696
QY 174 GlyLeuLeuGlnPheGlnAlaAsp 181
Db 697 GCATGCTGTCAGTATCACCGGAGC 720

RESULT 11
US-09-782-980-25
; Sequence 25, Application US/09782980
; Patent No. US20020072089A1
; GENERAL INFORMATION:
; APPLICANT: Khodadoust, Mehran M.
; APPLICANT: Macbeth, Kyle J.
; APPLICANT: Busfield, Samantha J.
; APPLICANT: McCarthy, Sean A.
; APPLICANT: Holtzman, Douglas A.
; APPLICANT: Gu, Wei
; APPLICANT: White, David
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL ITALY, LOR-2, STRIFE, TRASH, BDSF, LRSG, AND
; TITLE OF INVENTION: STMT PROTEIN AND NUCLEIC ACID MOLECULES AND USES
; FILE REFERENCE: MNT-121CP
; CURRENT APPLICATION NUMBER: US/09/782,980
; PRIOR FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/02125
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 09/448,076
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: 09/276,400
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: 60/117,580
; PRIOR FILING DATE: 1999-01-27
; PRIOR APPLICATION NUMBER: 09/014,195
; PRIOR FILING DATE: 1998-01-27
; PRIOR APPLICATION NUMBER: 09/014,348
; PRIOR FILING DATE: 1998-01-27
; PRIOR APPLICATION NUMBER: 09/086,892
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 09/296,208
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: 09/063,950
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 09/561,381
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 09/561,810
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 09/087,121
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 09/672,721
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: 09/049,799
; PRIOR FILING DATE: 1998-03-27
; NUMBER OF SEQ ID NOS: 176
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 25
; LENGTH: 555
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
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NAME/KEY: CDS
LOCATION: (1)..(555)
US-09-782-980-25

Alignment Scores:

Pred. No.:	4.53e-43	Length:	555
Score:	474.00	Matches:	79
Percent Similarity:	65.45%	Conservative:	29
Best Local Similarity:	47.88%	Mismatches:	57
Query Match:	43.09%	Indels:	0
DB:	10	Gaps:	0

US-09-695-369a-27_copy_1_197 (1-197) x US-09-782-980-25 (1-555)

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QY 2 AspcysglnluasngluYrTrpaspGlnTrpglyArgCysValThrcysglnArgCys 21
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DB 10 GATTCAGGCGACGACGAAATTCAGATCTGGAACCTGTCTCCTGCAACACAGTGC 69

QY 22 GlyProglynglnluLeuSerLysaspCysglyTyrGlynglnGlyglYaspalaTyrCys 41
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DB 70 GGAACCTGGCAGTGGAGTGTCCAGAGAAATGTGCTTCGGCTATGGGAGGATGCACAGTGT 129

QY 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysglnSerCys 61
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 130 GTGCCCTGCAGGCGCAGCCGCTTCAAGGAGAACTGGGGGTTTCCAGAACTGTAAAGCATGT 189

QY 62 IleThrcysAlaValIleasnArgValGlnLysValasnCysThrAlaThrSerasnAla 81
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 190 GCGGACTGTGGCTGTGTGAACCGCTTTCAGAGGGCAACTGCTCACACACAGTGTGCT 249

QY 82 ValCysglnYaspCysLeuProArgPheTyrArgLysThrArgIleGlyLeuGlnasp 101
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 250 GTCTGCGGGGACTGCTGCGCAGATTTTACCGGAAGACCAAACTGTTGCTTTCAAGAC 309

QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 310 ATGGAGTGTGTGCTGCTGCGCAGACACCACCTCTCTCCCTACGAACCACTGTACCAAGAG 369

QY 122 LeuSerLeuValGlnAlaaspAlaProThrValProProGlnGlnAlaThrLeuValAla 141
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 370 GTGAACCTGTGAAGATCTCTCCACCGCTCTCCAGCCCTCGGACACGCGCTGGCTGCC 429

QY 142 LeuValSerSerLeuLeuValValPheThrLeuAlaPheLeuGlyLeuPhePheLeuTyr 161
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 430 GTCATCTGCAGTGTCTGTGGCAGCAGGTGTGCTGCTCGCCCTCATCTGTGTGTCATGTAC 489

QY 162 CysLysglnPhephe 166
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 490 TGCAGAGGCGAGTTC 504

RESULT 12
Sequence 24, Application US/097822980
Patent No. US20020072089A1
GENERAL INFORMATION:
APPLICANT: Khodadoust, Mehran M.
APPLICANT: Macbeth, Kyle J.
APPLICANT: Busfield, Samantha J.
APPLICANT: McCarthy, Sean A.
APPLICANT: Holtzman, Douglas A.
APPLICANT: Gu, Wei
APPLICANT: White, David
APPLICANT: Pan, Yang
TITLE OF INVENTION: NOVEL ITALY, LOR-2, STRIFE, TRASH, BDSF, LRSG, AND
TITLE OF INVENTION: STMSR PROTEIN AND NUCLEIC ACID MOLECULES AND USES
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: MNI-121CP
CURRENT APPLICATION NUMBER: US/09/782,980
CURRENT FILING DATE: 2001-02-13
PRIOR APPLICATION NUMBER: PCT/US00/02125
PRIOR FILING DATE: 2000-01-27
PRIOR APPLICATION NUMBER: 09/448,076
PRIOR FILING DATE: 1999-11-23

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PRIOR APPLICATION NUMBER: 09/276,400
PRIOR FILING DATE: 1999-03-25
PRIOR APPLICATION NUMBER: 60/117,580
PRIOR FILING DATE: 1999-01-27
PRIOR APPLICATION NUMBER: 09/014,195
PRIOR FILING DATE: 1998-01-27
PRIOR APPLICATION NUMBER: 09/014,348
PRIOR FILING DATE: 1998-01-27
PRIOR APPLICATION NUMBER: 09/086,892
PRIOR FILING DATE: 1998-05-29
PRIOR APPLICATION NUMBER: 09/296,208
PRIOR FILING DATE: 1999-04-21
PRIOR APPLICATION NUMBER: 09/063,950
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 09/561,381
PRIOR FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: 09/561,810
PRIOR FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: 09/087,121
PRIOR FILING DATE: 1998-05-29
PRIOR APPLICATION NUMBER: 09/672,721
PRIOR FILING DATE: 2000-09-28
PRIOR APPLICATION NUMBER: 09/049,799
PRIOR FILING DATE: 1998-03-27
NUMBER OF SEQ ID NOS: 176
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 24
LENGTH: 642
TYPE: DNA
ORGANISM: Mus musculus
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(642)
US-09-782-980-24

Alignment Scores:
Pred. No.: 5.59e-43 Length: 642
Score: 474.00 Matches: 79
Percent Similarity: 65.45% Conservative: 29
Best Local Similarity: 47.88% Mismatches: 57
Query Match: 43.09% Indels: 0
Gaps: 0
DB: 10

US-09-695-369a-27_copy_1_197 (1-197) x US-09-782-980-24 (1-642)

QY 2 AspcysglnluasngluYrTrpaspGlnTrpglyArgCysValThrcysglnArgCys 21
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DB 97 GATTCAGGCGACGACGAAATTCAGATCTGGAACCTGTCTCCTGCAACACAGTGC 156

QY 22 GlyProglynglnluLeuSerLysaspCysglyTyrGlynglnGlyglYaspalaTyrCys 41
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 157 GGAACCTGTGAAGATCTCTCCACCGCTCTCCAGCCCTCGGACACGCGCTGGCTGCC 216

QY 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysglnSerCys 61
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 217 GTGCCCTGCAGGCGCAGCCGCTTCAAGGAGAACTGGGGTTTCCAGAACTGTAAAGCATGT 276

QY 62 IleThrcysAlaValIleasnArgValGlnLysValasnCysThrAlaThrSerasnAla 81
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 277 GCGGACTGTGGCTGTGTGAACCGCTTTCAGAGGGCAACTGCTCACACACAGTGTGCT 336

QY 82 ValCysglnYaspCysLeuProArgPheTyrArgLysThrArgIleGlyLeuGlnasp 101
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 337 GTCTGCGGGGACTGCTGCGCAGATTTTACCGGAAGACCAAACTGTTGCTTTCAAGAC 396

QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 397 ATGGAGTGTGTGCTGCTGCGGAGACCACTCTCTCCCTACGAACCACTGTACCAAGAG 456

QY 122 LeuSerLeuValGlnAlaaspAlaProThrValProProGlnGlnAlaThrLeuValAla 141
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 457 GTGAACCTGTGAAGATCTCTCCACCGCTCTCCAGCCCTCGGAGACGCGCTGGCTGCC 516

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; NAME/KEY: misc_feature
; LOCATION: (412)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (431)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (436)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (444)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (473)
; OTHER INFORMATION: n; may be A, C, G, or T
US-09-840-795-14

Alignment Scores:
Pred. No.:      6.76e-43      Length:      474
Score:          471.50       Matches:      100
Percent Similarity: 80.15%    Conservative: 5
Best Local Similarity: 76.34%  Mismatches:  19
Query Match:    42.86%      Indels:       8
                  10          Gaps:        3

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QY      1 MetAspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArg 20
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DB      78 ATGGAATGCCAAGAAATGAGTACTGGGACCAATGGGACGGTGTGCACCTGCCAACGG 137

QY      21 CysGlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGluGlyLysAspAlaTyr 40
         |||||||
DB      138 TGTGCTCTGGACAGGAGCTATCCAGGATGTGTTATGAGAGGGTGAGATGCTTAC 197

QY      41 CysThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSer 60
         |||||||
DB      198 TGGACAGCCTGCCCTCCTCCGACG-TACAAAGACAGCTGGGGCCACCAAAATGTCAGAGT 256

QY      61 CysIleThrCysAlaValIleAsnArgValGlnLysVal-AsnCysThrAlaThrSerAs 80
         |||||||
DB      257 TGCATCACCCTGCTGCTCATCATCGTGTTCAGAAGTTCACACTGCACAGTNAACCTTNA 316

QY      80 nAlaValCysGlyAspCys-LeuProArgPheTyr--ArgLysThrArgIleGly-Gly 98
         |||||||
DB      317 TGTGCTCTGTGGGGGANGGTTCGCCCAAGTTCTTAACCGAAAGACACGCCCATTTGAAGGC 376

QY      99 LeuGlnAspGln-GluCysIleProCysThrLys--GlnThrProThrSerGlu--Va 116
         |||||||
DB      377 TGGCAGGACCAAGATGGCATTCCTGCGCACAAAGNCAGACCCCAACTTCTGANGGTTN 436

      116 LgIncCysAlaPheGlnLeuSerLeu 124
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DB      437 CAAAGTGNCCTTCCAAATTGGAGCTT 461

RESULT 15
US-09-877-156-8
; Sequence 8, Application US/09877156
; Patent No. US20020055625A1
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/877,156
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/286,529
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 893
; TYPE: DNA
; ORGANISM: human
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US-09-877-156-8

Alignment Scores:
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Score:          448.00       Matches:      78
Percent Similarity: 65.45%    Conservative: 30
Best Local Similarity: 47.27%  Mismatches:  57
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US-09-695-369a-27_copy_1_197 (1-197) x US-09-877-156-8 (1-893)

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DB      151 GATTCAGGACAGCAGGAATTCAGGATTCATCTGGAACACTGTGTCTCTGCAACAGATGC 210

QY      22 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGluGlyLysAspAlaTyrCys 41
         |||||||
DB      211 GGACCTGGCATGAGAGTTGTCCAAAGAAATGTGCTTCGGCTATGGGAGGATGCACAGTGT 270

QY      42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61
         |||
DB      271 GTGCCCTGCAGGCCCGCACCGGTTCAAGGAAGACTGGGGTTCCAGAGGTGTAAAGCATGT 330

QY      62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
         |||||||
DB      331 GCGGACTGTGTGCTGTGTGAACCGCTTTCAGAGGGCCACTGCTCACACACCAAGTATGCT 390

QY      82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyGlyLeuGlnAsp 101
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DB      391 GTCTGCGGGGACTGCCCTGCCAGGATTTTACCGGAAGACCAAACTGTGTGTTTCAAGAC 450

QY      102 GlnGluCysIleProCysThrLysGlnThrProThrSerGlnValGlnCysAlaPheGln 121
         |||||||
DB      451 ATGAGTGTGTGCCCTGCGGAGACCCACCTCCTCCCTACGAACACCACTGTACACAGAG 510

QY      122 LeuSerLeuValGluAlaAspAlaProThrValProProGlnGluAlaThrLeuValAla 141
         |||||||
DB      511 GTGAACCTTGTGAAGATCTCTCCACCGCTCCACGCCCTCGGACACAGCGGTGCGTGC 570

QY      142 LeuValSerSerLeuLeuValAlaPheThrLeuAlaPheLeuGlyLeuPhePheLeuTyr 161
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DB      571 GTCATCTGCAGTGTCTGTGGCCACGGGTGCTGCTGCTG-CTCATCTGTGTGTCTATAC 629

QY      162 CysLysGlnPhePhe 166
         |||
DB      630 TGCAGAAGGCGAGTTTC 644
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Search completed: January 15, 2003, 17:35:27
Job time : 205.444 secs

GenCore version 5.1.3
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - nucleic search, using frame_plus_p2n model

Run on: January 15, 2003, 01:03:20 ; Search time 273.023 Seconds
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436.033 Million cell updates/sec

Title: US-09-695-369A-29

Perfect score: 1465

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Database :

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11: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
12: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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3	497	33.9	546	10	US-09-840-795-16
4	471.5	32.2	474	10	US-09-840-795-14

5	441	30.1	1325	10	US-09-780-532-3	Sequence 3, Appli
6	441	30.1	1502	9	US-10-114-893-120	Sequence 120, App
7	441	30.1	1660	10	US-09-780-532-1	Sequence 1, Appli
8	441	30.1	2870	9	US-10-174-590-473	Sequence 473, App
9	441	30.1	2870	9	US-10-176-758-473	Sequence 473, App
10	441	30.1	2870	12	US-10-052-586-473	Sequence 473, App
11	431	29.4	555	10	US-09-782-980-25	Sequence 25, Appl
12	431	29.4	642	10	US-09-782-980-24	Sequence 24, Appl
13	431	29.4	981	10	US-09-782-980-22	Sequence 22, Appl
14	431	29.4	1914	10	US-09-780-532-5	Sequence 5, Appli
15	428	29.2	893	10	US-09-877-156-8	Sequence 8, Appli
16	406	27.7	363	10	US-09-782-980-29	Sequence 29, Appl
17	406	27.7	450	10	US-09-782-980-28	Sequence 28, Appl
18	406	27.7	623	10	US-09-877-156-9	Sequence 9, Appli
19	406	27.7	636	10	US-09-840-795-12	Sequence 12, Appl
20	406	27.7	655	10	US-09-782-980-26	Sequence 26, Appl
21	388	26.5	292	9	US-10-119-466-4	Sequence 4, Appli
22	160.5	11.0	4622	10	US-09-924-231-6	Sequence 6, Appli
23	149	10.2	1641	10	US-09-758-124-1	Sequence 1, Appli
24	149	10.2	2224	10	US-09-800-909-1	Sequence 1, Appli
25	149	10.2	2224	10	US-09-800-908-2	Sequence 2, Appli
26	149	10.2	3683	10	US-09-954-456-1187	Sequence 1187, Ap
27	148	10.1	1982	10	US-09-907-372-2	Sequence 2, Appli
28	146.5	10.0	5870	10	US-09-838-718A-8	Sequence 8, Appli
29	145.5	9.9	1334	9	US-09-899-429A-21	Sequence 21, Appl
30	144.5	9.9	1147	10	US-09-756-186-5	Sequence 5, Appli
31	143.5	9.8	1334	9	US-09-898-234-11	Sequence 11, Appl
32	143.5	9.8	1334	9	US-09-792-356-11	Sequence 11, Appl
33	143.5	9.8	1334	10	US-09-899-422-11	Sequence 11, Appl
34	143.5	9.8	1368	9	US-09-898-234-1	Sequence 1, Appli
35	143.5	9.8	1368	9	US-09-899-429A-1	Sequence 1, Appli
36	143.5	9.8	1368	9	US-09-792-356-1	Sequence 1, Appli
37	143.5	9.8	1368	10	US-09-899-422-1	Sequence 1, Appli
38	143.5	9.8	2111	10	US-09-880-107-2360	Sequence 2360, Ap
39	143.5	9.8	2141	9	US-09-898-234-16	Sequence 16, Appl
40	143.5	9.8	2141	9	US-09-899-429A-26	Sequence 26, Appl
41	143.5	9.8	2141	9	US-09-792-356-16	Sequence 16, Appl
42	143.5	9.8	2141	10	US-09-899-422-16	Sequence 16, Appl
43	143.5	9.8	2175	12	US-10-120-397-1	Sequence 1, Appli
44	140.5	9.6	1290	10	US-09-057-951-3	Sequence 3, Appli
45	140.5	9.6	1290	12	US-10-105-150-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1
US-10-119-466-11
; Sequence 11, Application US/10119466
; Patent No. US20020168674A1
; GENERAL INFORMATION:
; APPLICANT: Chul, Clarissa
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Milton, Sean
; APPLICANT: Yan, Minhong
; APPLICANT: Yi, Sothy
; TITLE OF INVENTION: CLONING METHOD
; FILE REFERENCE: P1797
; CURRENT APPLICATION NUMBER: US/10/119,466
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: US/09/480,782
; PRIOR FILING DATE: 2000-01-10
; NUMBER OF SEQ ID NOS: 12
; SEQ ID NO 11
; LENGTH: 905
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: Homo sapiens
; LOCATION: 1-905
; OTHER INFORMATION: Sequence source: ORF position 4 - 903 bp
US-10-119-466-11
Alignment Scores:

Pred. No.: 3.21e-136 Length: 905
 Score: 1436.00 Matches: 266
 Percent Similarity: 89.30% Conservative: 1
 Best Local Similarity: 88.96% Mismatches: 0
 Query Match: 98.02% Indels: 32
 DB: 9 Gaps: 1

US-09-695-369A-29 (1-267) x US-10-119-466-11 (1-905)

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QY 1 MetAspCysGlnGlnAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArg 20
   |||||||
Db 4 ATGGATTGCCAAGAAATGAGTACTGGGACCAATGGGACGGTGTGTCCACTGCCAACGG 63

QY 21 CysGlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlnGlyAspAlaTyr 40
   |||||||
Db 64 TGTGTCCTGGACAGAGCTATCCAAAGATTGTGTATGAGAGGGTGGAGATGCTTAC 123

QY 41 CysThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSer 60
   |||||||
D 124 TGCACAGCCTGCCCTCCTCGCAGAGTACAAAGACAGCTGGGCCACACAGATGTCAGAGT 183

QY 61 CysIleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsn 80
   |||||||
Db 184 TGCATCACCTGTGCTGTCAATCGTGTTCAGAAAGTCAACTGCACAGCTTACTTAAT 243

QY 81 AlaValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyGlyLeuGln 100
   |||||||
Db 244 GCTGTCTGTGGGAGCTGTTGCCCAAGTTCATCCGAAAGACACGCAATGGAGGCTGCAG 303

QY 101 AspGlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPhe 120
   |||||||
Db 304 GACCAGAGTGCATCCCTCGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGT 363

QY 121 GlnLeuSerLeuValGlnAlaAspAlaProThrValProProGlnGluAlaThrLeuVal 140
   |||||||
Db 364 CAGTTGAGCTTAGTGAGGACAGATGCACCCACAGTGCCTTACAGAGGCCACACTGTT 423

QY 141 AlaLeu----- 142
   |||||
Db 424 GCACTGGTGAGCAGCCTGCTAGTGTGTTTACCCTGGCCTTCTGGGGCTTCTTCTCTC 483

QY 143 -----GlyGlyLeuLeuGlnPhe 148
   |||||||
Db 484 TACTGCAAGCAGTCTTCTTCAACAGACATTTGCCAGCGTGTTCAGAGAGTTGCTGCAGTTT 543

QY 149 GluAlaAspLysThrAlaLysGlnGluSerLeuPheProValProProSerLysGluThr 168
   |||||||
D 544 GAGGCTGATAAAGCAGCAAGAGAGAGAAATCTCTTCCCGTGCACACCAAGAGAGAGAGC 603

QY 169 SerAlaGluSerGlnValSerGluAsnIlePheGlnThrGlnProLeuAsnProIleLeu 188
   |||||||
Db 604 AGTGTGAGTCCCAAGTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGT 663

QY 189 GluAspAspCysSerSerThrSerGlyPheProThrGlnGlnGluSerPheThrMetAlaSer 208
   |||||||
Db 664 GAGGACGAGCTGCAGCTCGACTAGTGGCTCCCAACACAGAGAGTCCCTTACCATGGCTCC 723

QY 209 CysThrSerGluSerHisSerHisTrpValHisSerProIleGluCysThrGluLeuAsp 228
   |||||||
Db 724 TGCACCTCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 783

QY 229 LeuGlnLysPheSerSerSerAlaSerTyrThrGlyAlaGluThrLeuGlyGlyAsnThr 248
   |||||||
Db 784 CTGCAAAAGTTTCCAGCTCTGCTCTCTTACTGAGCTGAGACCTTGGGGGGAACACACA 843

QY 249 ValGluSerThrGlyAspArgLeuGlnLeuAsnValProPheGlnValProSerPro 267
   |||||||
Db 844 GTCGAAAGCACTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 900

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RESULT 2
 US-09-840-795-18
 ; Sequence 18, Application US/09840795
 ; Patent No. US20020143147A1

```

; GENERAL INFORMATION:
; APPLICANT: Murphy, Erin E.
; APPLICANT: Mattson, Jeanine D.
; APPLICANT: Bates, Elizabeth Esther Mary
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Lebecque, Serge J.E.
; TITLE OF INVENTION: Mammalian Genes; Related Reagents
; FILE REFERENCE: SF0818K
; CURRENT APPLICATION NUMBER: US/09/840,795
; CURRENT FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: 09/351,777
; PRIOR FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 18
; LENGTH: 932
; TYPE: DNA
; ORGANISM: primate
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (78)..(770)
; NAME/KEY: misc_feature
; LOCATION: (782)
; OTHER INFORMATION: n; may be A, C, G, or T

US-09-840-795-18

Alignment Scores:
Pred. No.: 3.13e-87 Length: 932
Score: 951.00 Matches: 187
Percent Similarity: 73.41% Conservative: 9
Best Local Similarity: 70.04% Mismatches: 34
Query Match: 64.91% Indels: 38
DB: 10 Gaps: 3

US-09-695-369A-29 (1-267) x US-09-840-795-18 (1-932)

QY 1 MetAspCysGlnGlnAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArg 20
   |||||||
Db 78 ATGGATTGCCAAGAAATGAGTACTGGGACCAATGGGACGGTGTGTCCACTGCCAACGG 137

QY 21 CysGlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlnGlyAspAlaTyr 40
   |||||||
Db 138 TGTGTCCTGGACAGAGAGATATCCAAAGATTTGTTATGAGAGGGTGGAGATGCTTAC 197

QY 41 CysThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSer 60
   |||||||
Db 198 TGCACAGCCTGCCCTCCTCGCAGAGTACAAAGACAGTGGGGCCACCAAAATGTGAGAGT 257

QY 61 CysIleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsn 80
   |||||||
Db 258 TGCATCACCTGTGCTGTCAATCGTGTTCAGAAAGTCAACTGCACAGCTTACTTAAT 317

QY 81 AlaValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyGlyLeuGln 100
   |||||||
Db 318 GCTGTCTGTGGGAGCTGTTGCCAGAGTTCACCGAAAGACAGCATGGAGGCTGCAG 377

QY 101 AspGlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPhe 120
   |||||||
Db 378 GACCAGAGTGCATCCCGTGCACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 437

QY 121 GlnLeuSerLeuValGlnAlaAspAlaProThrValProProGlnGluAlaThrLeuVal 140
   |||||||
Db 438 CAGTTGAGCTTAGTGAGGACAGATGCACCCACAGTGGCCCCCTCAGAGAGGCCACACTGTT 497

QY 141 AlaLeu----- 142
   |||||
Db 498 GCACTGGTGAGCAGCCTGCTAGTGTGTTTACCCTGGCCTTCTGGGGCTTCTTCTCTC 557

QY 143 -----GlyGlyLeuLeuGlnPheGlnAla 150
   |||||||
Db 558 TACTGCAAGCAGTCTTCTTCAACAGACATTTGCCAGCGTGGAGGTTGCTGCAGTTTGAAGCT 617

QY 151 AspLysThrAlaLysGlnGluSerLeuPheProValProProSerLysGluThrSerAla 170

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; LENGTH: 474
; TYPE: DNA
; ORGANISM: primate
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (78)..(473)
; NAME/KEY: misc_feature
; LOCATION: (308)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (315)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (333)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (412)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (431)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (436)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (444)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (473)
; OTHER INFORMATION: n; may be A, C, G, or T
; US-09-840-795-14
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Alignment Scores:
Pred. No.: 3.11e-39 Length: 474
Score: 471.50 Matches: 100
Percent Similarity: 80.15% Conservative: 5
Best Local Similarity: 76.34% Mismatches: 19
Query Match: 32.18% Indels: 8
DB: 10 Gaps: 3
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US-09-695-369A-29 (1-267) x US-09-840-795-14 (1-474)

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QY 1 MetAspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArg 20
Db 78 ATGGATTGCCAAGAAATGAGTACTGGGACCAATGGGACGGTGTCTACCTGCAACGG 137
O- 21 CysGlyProGlyGlnGluSerLysAspCysGlyTyrGlyGlyGlyAspAlaTyr 40
L 138 TGTGTCCTGGACAGAGGACTATCCAAAGATTGTGTATGGAGGGTGGAGATGCTTAC 197
QY 41 CysThrAlaCysProProArgArgTyrTyrLysSerSerTrpGlyHisHisLysCysGlnSer 60
Db 198 TGCACAGCCTGCCCTCCTCCGAG-TACAAAAGCAGCTGGGGCCACCAAAATGTCAAGT 256
QY 61 CysIlethmCysAlaValIleAsnArgValGlnLysVal-AsnCysThrAlaThrSerAs 80
Db 257 TGCATCACCTGTGCTGTCAATCGTGTTCAGAGGTTCAACTGCACAGTACCTCTNA 316
QY 80 AlaValCysGlyAspCys-LeuProArgPheTyr---ArgLysThrArgIleGly-Gly 98
Db 317 TGTGTCTGTGGGGGANGTTCGCCAAGTTTCTAACCGAAAGACACGCCATTTGGAAGGC 376
QY 99 LeuGlnAspGln-GluCysIleProCysThrLys---GlnThrProThrSerGlu---Va 116
Db 377 TGCACAGACCAAGATGGCATCCCGTGGCACAAAGNACAGACCCCAACTCTGTGANGTTN 436
QY 116 IglncysAlaPheGlnLeuSerLeu 124
Db 437 CAAGTGNCTTTCCAAATTGGAGCTT 461
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RESULT 5
US-09-780-532-3
; Sequence 3, Application US/09780532

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; Patent No. US20020068696A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNN-012CP
; CURRENT APPLICATION NUMBER: US/09/780,532
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 1325
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1269)
; US-09-780-532-3
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Alignment Scores:
Pred. No.: 1.61e-35 Length: 1325
Score: 441.00 Matches: 89
Percent Similarity: 55.16% Conservative: 34
Best Local Similarity: 39.91% Mismatches: 67
Query Match: 30.10% Indels: 33
DB: 10 Gaps: 4
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US-09-695-369A-29 (1-267) x US-09-780-532-3 (1-1325)

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QY 2 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21
Db 97 GACTGTAGACAGCAAGAAATTCAGGGATCGTCTGGAACATGTGTCCCTGCAACAGTGT 156
QY 22 GlyProGlyGlnGluSerLysAspCysGlyTyrGlyGlyGlyAspAlaTyrCys 41
Db 157 GGGCCAGGCGATGAGTGTCTTAAGGAATGTGCTCGGCTATGGGAGGATGCAAGTGT 216
QY 42 ThrAlaCysProProArgArgTyrTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61
Db 217 GTGACGTCCGCGCTGCACAGGTTCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 276
QY 62 IleThrCysAlaValIleAsnArgValGlnLysVal-AsnCysThrAlaThrSerAsnAla 81
Db 277 CTGAGTGCAGCAGAGTGTGAACCGCTTTCAGAGCAAAATGTTCAGCCACGATGATGCC 336
QY 82 ValCysGlyAspCysLeuProArgPheTyrTyrLysThrArgIleGlyLeuGlnAsp 101
Db 337 ATCTGCGGGGACTGCTTGCACAGGATTTTATAGGAAGACGAAACTTGTGCGCTTTCAGAC 396
QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
Db 397 ATGAGTGTGTGCTTGTGGAGACCCCTCCTCCTTACGAACCGCACTGTGCGCTTTCAGAC 456
QY 122 LeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuValAla 141
Db 457 GTCAACCTCGTGAAGATCGCGTCCACGCGCTCCAGCCACGCGGACACGCGCTGCTGCC 516
QY 142 -LeuGlyGlyLeuGlnPheGlnAlaAspLysThrAlaLysGlnGluSerLeuPhePr 161
Db 517 GTTATCTGCAGCGCTCTGG----- 535
QY 161 ovalProProSer-----LysGluThrSerAlaGlnSerGlnValSerGluAsnIle 178
Db 536 ----CCACCGTCCGTCTGCGCTCTCATCTCTGTGTCTATTTGTGAAGACAGAGTTT 591
QY 178 e-----PheGlnThrGlnProLeuAs 185
Db 592 ATGAGAGAAGAAACCCAGCTGTGTCTGTGCGGTTCACAGGACATTCAGTACACGCGCTGTGAG 651
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OY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
Db 277 CTGAGCTGGCAGAGTGGTGAACCCGCTTTCAGAAAGCAATGTTCAGCCACCACTGATGCC 336
OY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyLeuGlnAsp 101
Db 337 ATCTGGGGGAGCTGCTTCCAGAGATTTTATAGGAAGACGAAACTGTGGCTTTCAAGAC 396
OY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGlnValGlnCysAlaPheGln 121
Db 397 ATGAGGTGTGCTTGTGAGACCTCTCCTCCTTACGAACCGCACCTGTGCCAGCAAG 456
OY 122 LeuSerLeuValGlnAlaAspAlaProThrValProGlnGlnAlaThrLeuValAla 141
Db 457 GTCAACCTCGTGAAGATCGCGTCCACGGCCCTCCAGCCACGGGACACGGCGCTGGCTGCC 516
OY 142 -LeuGlyGlyLeuLeuGlnPheGlnAlaAspLysThrAlaLysGlnGluSerLeuPhePr 161
Db 517 GTTATCTGCAGCGCTCTG----- 535
OY 161 OValProProSer-----LysGluThrSerAlaGluSerGlnValSerGlnAsnI 178
Db 536 -----CCACCGTCTGCTGGCCCTGCTCATCTCTGTCTATTTAGAGAGACAGTTT 591
OY 178 e-----PheGlnThrGlnProLeuAs 185
Db 592 ATGAGAAGAAACCACGCTGTCTCTGCGTCCACAGACATTCAGTACACGGCTCTGAG 651
OY 185 nProIleLeuGlnAspAspCysSerSerThrSerGlyPheProThrGlnGlnSerPheTh 205
Db 652 CTGTGCTGTTTTCACAGACCTCAGCTCCACGAAT--ATGCCACACAGAGCTGCTGCCAG 708
OY 205 rMetaIa 207
Db 709 TGCCGCC 715

RESULT 8
US-10-174-590-473
; Sequence 473, Application US/10174590
; Publication No. US20030008352A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C42
; CURRENT APPLICATION NUMBER: US/10/174,590
; CURRENT FILING DATE: 2002-06-18
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-10-174-590-473

Alignment Scores:
Pred. No.: 4.82e-35 2870
Score: 441.00 89
Percent Similarity: 55.16% Conservative: 34
Best Local Similarity: 39.91% Mismatches: 67
Query Match: 30.10% Indels: 33
DB: 9 Gaps: 4
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US-09-695-369a-29 (1-267) x US-10-174-590-473 (1-2870)
OY 2 AspCysGlnGlnuAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21
Db 281 GACTGTAGACAGCAAGAAATTCAGGAGATCGGTGGAACGTGTGTTCCCTCCCAACCACTGT 340
OY 22 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlnGlyLysAlaTyrCys 41
Db 341 GGGCCAGCATGAGAGTGTCTTAAGAAATGTGGCTTCGGCATGGGAGAGATGCACAGTGT 400
OY 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61
Db 401 GTGACGTGCCCGCTGCACAGGTTCAAGAGAGACTGGGGCTTCCAGAAATGCCAAGCCCTGT 460
OY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
Db 461 CTGAGCTGGCGAGTGTGAACCGCTTTCAGAAAGCAAAATGTTCAAGCCACAGTATGCC 520
OY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyLeuGlnAsp 101
Db 521 ATCTCGGGGAGCTGCTTGCAGGATTTTATAGGAAGACAAACTGTGCGCTTTCAGAGAC 580
OY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGlnValGlnCysAlaPheGln 121
Db 581 ATGAGGTGTGCTTGTGAGAGACCCCTCCTCCTTACGAACCGCACCTGTGCCAGCAAG 640
OY 122 LeuSerLeuValGlnAlaAspAlaProThrValProGlnGlnAlaThrLeuValAla 141
Db 641 GTCAACCTCGTGAAGATCGCGTCCACGGCCCTCCAGCCACGGGACACGGCGCTGCC 700
OY 142 -LeuGlyGlyLeuLeuGlnPheGlnAlaAspLysThrAlaLysGlnGluSerLeuPhePr 161
Db 701 GTTATCTGCAGCGCTCTG----- 719
OY 161 OValProProSer-----LysGluThrSerAlaGluSerGlnValSerGlnAsnI 178
Db 720 -----CCACCGTCTGCTGGCCCTGCTCATCTCTGTCTATTTAGAGAGACAGTTT 775
OY 178 e-----PheGlnThrGlnProLeuAs 185
Db 776 ATGAGAAGAAACCACGCTGTCTCTGCGGTCGACAGACATTCAGTACACGGCTCTGAG 835
OY 185 nProIleLeuGlnAspAspCysSerSerThrSerGlyPheProThrGlnGlnSerPheTh 205
Db 836 CTGTGCTGTTTTCACAGACCTCAGCTCCACGAAT--ATGCCACACAGAGCTGCTGCCAG 892
OY 205 rMetaIa 207
Db 893 TGCCGCC 899

RESULT 9
US-10-176-758-473
; Sequence 473, Application US/10176758
; Publication No. US20030008353A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C104
; CURRENT APPLICATION NUMBER: US/10/176,758
; CURRENT FILING DATE: 2002-06-21
; Prior application removed - See File Wrapper or Palm
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; PRIOR APPLICATION NUMBER: 60/080327
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080333
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/081049
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081070
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081195
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081838
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082568
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082569
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082704
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082797
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/083495
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083496
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083499
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083559
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/086023
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/086392
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/086486
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/087098
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087208
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033

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; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
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; PRIOR FILING DATE: 1998-06-12
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; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
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; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089908

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Query Match:	30.10%	Indels:	33
DB:	12	Gaps:	4

US-09-695-369a-29 (1-267) x US-10-052-586-473 (1-2870)

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Db 281 GACTGTACACAGCAAGCAATTCAGGATCGCTCGAAGAACTGTCTCCCTGCAACCAAGTGT 340
QY 22 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGluGlyGlyAspAlaTyrCys 41
Db 341 GGGCCAGGCATGAGATTGCTTAAGAAATGTGGCTTCGGCTATGGGAGGAGATGCACAGTGT 400
QY 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61
Db 401 GTGACGTGCCCGCTGCACAGGTTCAAGAGGACTGGGCTTCCAGAAATGCAAGCCCTGT 460
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
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Db 461 CTGACTGCGCAGTGTGAACCGCTTTCAGAGGCAAAATTGTTACGCCACAGTGAATGCC 520
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyLeuGlnAsp 101
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Db 521 ATCTGCGGGAGACTGCTTGCACAGATTTATAGGAAGCAAACTGTGCGCTTTCAGAGAC 580
QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
   :::::::::::::::::::::::::::::
Db 581 ATGAGTGTGTGCTTGTGAGAGACCCCTCTCCTCTTACGAAACCGCACTGTGCCAGCAAG 640
QY 122 LeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuValAla 141
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Db 641 GTCAACCTGTGAGAGATCGCTCCAGCCCTCCAGCCACGGACAGCGCTGCTGCC 700
QY 142 -LeuGlyGlyLeuLeuGlnPheGlnAlaAspLysThrAlaLysGlnGluSerLeuPhePr 161
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Db 701 GTTATCTGCAAGCGCTCTGG----- 719
QY 161 OValProSer-----LysGlnThrSerAlaGluSerGlnValSerGluAsnIle 178
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QY 720 ----CCACCGTCTGCTGCGCCCTGCTCATCTCTGTGCATCTATGTGAAGAGAGAGT 775
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QY 178 e-----PheGlnThrGlnProLeuAs 185
   :::::::::::::::::::::::::::::
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US-09-782-980-25
; Sequence 25, Application US/097822980
; Patent No. US20020072089A1
; GENERAL INFORMATION:
; APPLICANT: Khodadoust, Mehran M.
; APPLICANT: Macbeth, Kyle J.
; APPLICANT: Busfield, Samantha J.
; APPLICANT: McCarthy, Sean A.
; APPLICANT: Holtzman, Douglas A.
; APPLICANT: Gu, Wei
; APPLICANT: White, David
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL ITALY, LOR-2, STRIFE, TRASH, BDSF, LRSG, AND
; TITLE OF INVENTION: STMSI PROTEIN AND NUCLEIC ACID MOLECULES AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: MNI-121CP
; CURRENT APPLICATION NUMBER: US/09/782, 980
; PRIOR APPLICATION NUMBER: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/02125
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 09/448,076
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: 09/276,400
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: 60/117,580
; PRIOR FILING DATE: 1999-01-27
; PRIOR APPLICATION NUMBER: 09/014,195
; PRIOR FILING DATE: 1998-01-27
; PRIOR APPLICATION NUMBER: 09/014,348
; PRIOR FILING DATE: 1998-01-27
; PRIOR APPLICATION NUMBER: 09/086,892
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 09/296,208
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: 09/063,950
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 09/561,381
; PRIOR FILING DATE: 2000-04-28

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; PRIOR APPLICATION NUMBER: 09/561,810
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 09/087,121
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 09/672,721
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: 09/049,799
; PRIOR FILING DATE: 1998-03-27
; NUMBER OF SEQ ID NOS: 176
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 25
; LENGTH: 555
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(555)
US-09-782-980-25

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Score: 431.00 Matches: 69
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US-09-695-369a-29 (1-267) x US-09-782-980-25 (1-555)

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QY 22 GlyProGlnGlnLeuSerLysAspCysGlyTyrGlyGlnGlyLysAlaTyrCys 41
   :::::::::::::::::::::::::::::
Db 70 GGACCTGGCATGGAGTTGTCCAGGAATGTGCTTCGGCTATGGGAGAGATGCACAGTGT 129
QY 42 ThrAlaCysProProArgArgTyrLysSerSerTyrGlyHisLysCysGlnSerCys 61
   :::::::::::::::::::::::::::::
Db 130 GTGCCCTGCAAGCCGACCGGTTCAAGGAAGAGACTGGGGTTCCAGAAAGTGTAGCCATGT 189
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
   :::::::::::::::::::::::::::::
Db 190 GCGACTGTGCGCTGTGGAACCGCTTTCAGAGGGCCAACTGCTCACACACAGATGATGCT 249
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyLeuGlnAsp 101
   :::::::::::::::::::::::::::::
Db 250 GTCTGCGGGAGACTGCTTGCACAGATTTTACCGGAGAACCAACTGTGTTTTCAGAGAC 309
QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
   :::::::::::::::::::::::::::::
Db 310 ATGAGTGTGTGCTTGTGAGAGATCTCTCCACCGTCTCCAGCCCTCGGAGACAGCGCTGCC 369
QY 122 LeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuValAla 141
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QY 142 Leu 142
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Db 430 GTC 432

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RESULT 12

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US-09-782-980-24
; Sequence 24, Application US/097822980
; Patent No. US20020072089A1
; GENERAL INFORMATION:
; APPLICANT: Khodadoust, Mehran M.
; APPLICANT: Macbeth, Kyle J.
; APPLICANT: Busfield, Samantha J.
; APPLICANT: McCarthy, Sean A.
; APPLICANT: Holtzman, Douglas A.
; APPLICANT: Gu, Wei
; APPLICANT: White, David

```



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; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL ITALY, IOR-2, STRIFE, TRASH, BDSE, LRSG, AND
; TITLE OF INVENTION: TMST PROTEIN AND NUCLEIC ACID MOLECULES AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: MNI-121CP
; CURRENT APPLICATION NUMBER: US/09/782,980
; CURRENT FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/02125
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 09/448,076
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: 09/276,400
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: 60/117,580
; PRIOR FILING DATE: 1999-01-27
; PRIOR APPLICATION NUMBER: 09/014,195
; PRIOR FILING DATE: 1998-01-27
; PRIOR APPLICATION NUMBER: 09/014,348
; PRIOR FILING DATE: 1998-01-27
; PRIOR APPLICATION NUMBER: 09/086,892
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 09/296,208
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: 09/063,950
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 09/561,381
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 09/561,810
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 09/087,121
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 09/672,721
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: 09/049,799
; PRIOR FILING DATE: 1998-03-27
; NUMBER OF SEQ ID NOS: 176
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 24
; LENGTH: 642
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(642)
US-09-782,980-24

Alignment Scores:
P No.: 5,87e-35 Length: 642
Sc.: 431.00 Matches: 69
Percent Similarity: 67.38% Conservative: 26
Best Local Similarity: 48.94% Mismatches: 46
Query Match: 29.42% Indels: 0
DB: 10 Gaps: 0

US-09-695-369A-29 (1-267) x US-09-782-980-24 (1-642)
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Db 157 GGACCTGGCATGGAGTTGTCCAAGAAATGGCTTCGGCTATGGGGAGGATGCACAGTGT 216
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QY 42 ThrAlaCysProProArgArgTyrLysSerSetrPrpGlyHisHisLysCysGlnSerCys 61
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Db      457  GTGAACCTTGTAAGATCTCTCCACCGCTCTCCAGCCCTCGGGACACGGCGCTGCTGCC 516
QY      142  Leu 142
Db      517  GTC 519

RESULT 13
US-09-782-980-22
Sequence 22, Application US/09782980
Patent No. US20020072089A1
GENERAL INFORMATION:
APPLICANT: Khodadoust, Mehran M.
APPLICANT: Macbeth, Kyle J.
APPLICANT: Busfield, Samantha J.
APPLICANT: McCarthy, Sean A.
APPLICANT: Holtzman, Douglas A.
APPLICANT: Gu, Wei
APPLICANT: White, David
APPLICANT: Pan, Yang
TITLE OF INVENTION: NOVEL ITALY, LOR-2, STRIFE, TRASH, BDSF, LRSG, AND
TITLE OF INVENTION: STMT PROTEIN AND NUCLEIC ACID MOLECULES AND USES
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: MNI-121CP
CURRENT APPLICATION NUMBER: US/09/782,980
CURRENT FILING DATE: 2001-02-13
PRIOR APPLICATION NUMBER: PCT/US00/02125
PRIOR FILING DATE: 2000-01-27
PRIOR APPLICATION NUMBER: 09/448,076
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: 09/276,400
PRIOR FILING DATE: 1999-03-25
PRIOR APPLICATION NUMBER: 60/117,580
PRIOR FILING DATE: 1999-01-27
PRIOR APPLICATION NUMBER: 09/014,195
PRIOR FILING DATE: 1998-01-27
PRIOR APPLICATION NUMBER: 09/014,348
PRIOR FILING DATE: 1998-01-27
PRIOR APPLICATION NUMBER: 09/086,892
PRIOR FILING DATE: 1998-05-29
PRIOR APPLICATION NUMBER: 09/296,208
PRIOR FILING DATE: 1999-04-21
PRIOR APPLICATION NUMBER: 09/063,950
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 09/561,381
PRIOR FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: 09/561,810
PRIOR FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: 09/087,121
PRIOR FILING DATE: 1998-05-29
PRIOR APPLICATION NUMBER: 09/672,721
PRIOR FILING DATE: 2000-09-28
PRIOR APPLICATION NUMBER: 09/049,799
PRIOR FILING DATE: 1998-03-27
NUMBER OF SEQ ID NOS: 176
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 22
LENGTH: 981
TYPE: DNA
ORGANISM: Mus musculus
FEATURE:
NAME/KEY: CDS
LOCATION: (107)..(748)
US-09-782-980-22

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Thu Jan 16 18:06:25 2003

us-09-695-369a-29.rnpb

Page 12

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GenCore version 5.1.3
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and is derived by analysis of the total score distribution.

SUMMARIES

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6	487	29.8	2870	9	US-10-176-758-473	Sequence 473, App
7	487	29.8	2870	12	US-10-052-586-473	Sequence 473, App
8	480	29.4	1325	10	US-09-780-532-3	Sequence 3, Appli
9	480	29.4	1502	9	US-10-114-893-120	Sequence 120, App
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12	474	29.0	642	10	US-09-782-980-24	Sequence 24, Appli
13	474	29.0	981	10	US-09-782-980-22	Sequence 22, Appli
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33	164.5	10.1	2141	9	US-09-898-234-16	Sequence 16, Appli
34	164.5	10.1	2141	9	US-09-899-429A-26	Sequence 26, Appli
35	164.5	10.1	2141	9	US-09-792-356-16	Sequence 16, Appli
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39	157	9.6	2136	10	US-09-962-436-262	Sequence 262, App
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41	150.5	9.2	2130	10	US-09-917-800A-1601	Sequence 1601, Ap
42	150	9.2	1641	10	US-09-758-124-1	Sequence 1, Appli
43	150	9.2	2224	10	US-09-800-909-1	Sequence 1, Appli
44	150	9.2	2224	10	US-09-800-908-2	Sequence 2, Appli
45	150	9.2	3683	10	US-09-954-456-1187	Sequence 1187, Ap

ALIGNMENTS

RESULT 1
US-10-119-466-11
; Sequence 11, Application US/10119466
; Patent No. US20020168674A1
; GENERAL INFORMATION:
; APPLICANT: Chul, Clarissa
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Milton, Sean
; APPLICANT: Yan, Minhong
; APPLICANT: Yi, Sothy
; TITLE OF INVENTION: CLONING METHOD
; FILE REFERENCE: P1797
; CURRENT APPLICATION NUMBER: US/10/119,466
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: US/09/480,782
; PRIOR FILING DATE: 2000-01-10
; NUMBER OF SEQ ID NOS: 12
; SEQ ID NO 11
; LENGTH: 905
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: Homo sapiens
; LOCATION: 1-905
; OTHER INFORMATION: Sequence source: ORF position 4 - 903 bp
US-10-119-466-11

Alignment Scores:

Pred. No.: 5.02e-161
 Score: 1625.00
 Percent Similarity: 99.67%
 Best Local Similarity: 99.33%
 Query Match: 99.57%
 DB: 9
 Length: 905
 Matches: 297
 Conservative: 1
 Mismatches: 1
 Indels: 0
 Gaps: 0

US-09-695-369a-35 (1-299) x US-10-119-466-11 (1-905)

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QY 1 MetaspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArg 20
    |||||||
Db 4 ATGATTGCCAAGAAATGAGTACTGGGACCAATGGGACGGTGTGTACACCTGCCAACGG 63

QY 21 CysGlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGluGlyAspAlaTyr 40
    |||||||
Db 64 TGTGTCTCTGGACAGAGCTATCCAGCATTTGTGTATGAGAGGGTGAATGCTTAC 123

QY 41 CysThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSer 60
    |||||||
Db 124 TGCACAGCCTGCCCTCTCTCGCAGGTACAAAGCAGCTGGGGCCACACAGATGTACAGAT 183

QY 61 CysIleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsn 80
    |||||||
Db 184 TGCATCACCTGTGCTGTCAATCAATGCTTCAAGAGTCAACTGCACAGCTAACCCTAAT 243

QY 81 AlaValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyLeuGln 100
    |||||||
Db 244 GCTGTCTGTGGGACTGTTCGCCAAGTCTACCCGAAAGACACGCAATGGAGGCTGCAG 303

QY 101 AspGlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPhe 120
    |||||||
Db 304 GACCAAGAGTGCATCCCGTGCACGAAGACAGACCCCACTCTGTAGGTTCAATGTGCTTC 363

QY 121 GlnLeuSerLeuValGluAlaAspAlaProThrValProProGlnGlnAlaThrLeuVal 140
    |||||||
Db 364 CAGTTGAGCTTAACTGGAGGCGATGACCCACAGTGCCTCCAGAGGCGCACACTGT 423

QY 141 AlaLeuValSerSerLeuLeuValValPheThrLeuAlaPheLeuGlyLeuPheLeu 160
    |||||||
Db 424 GCACTGTGTAGCAGCCTGTGTAGTGTGTATACCTGTGCTTCTGCTCTTCTCTC 483

QY 161 TyrCysLysGlnPhePheAsnArgHisCysGlnArgValAlaGlyLeuLeuGlnPhe 180
    |||||||
Db 484 TACTGCAAGCAGTTCTTCAACAGACATTCACAGCTTACAGAGGTTTGTCTGCATTT 543

QY 181 GluAlaAspLysThrAlaLysGlnGluSerLeuPheProValProProSerLysGlnThr 200
    |||||||
Db 544 GAGGCTGATTAACAAGCAAGAGGAATCTCTTCCCGTGCACACCAAGAGGAGACC 603

QY 201 SerAlaGluSerGlnValSerGlnLysAsnIlePheGlnThrGlnProLeuAsnProIleLeu 220
    |||||||
Db 604 AGTGTGAGTCCCAAGTGAAGTGAAGACTTCTTACAGACCCAGCCACTTAACCTTATTCCTC 663

QY 221 GluAspAspCysSerSerSerThrSerGlyPheProThrGlnGluSerPheThrMetAlaSer 240
    |||||||
Db 664 GAGGACGACTGCAGCTGCACTAGTGGCTTCCCGACACAGAGAGTCTTTTACCATGAGCTTCC 723

QY 241 CysThrSerGluSerHisSerHisIleValHisSerProIleGluCysThrGluLeuAsp 260
    |||||||
Db 724 TGCACCTAGAGAGCCACTCCACTGGGTCCACAGCCCATGCAATGCACAGAGCTGAGC 783

QY 261 LeuGlnLysPheSerSerSerAlaSerTyrThrGlyAlaGluThrLeuGlyGlyAsnThr 280
    |||||||
Db 784 CTGCAAAAGTTTCCAGCTCTGCTCTTACTGTGAGCTGAGACTTGGGGGGAACACA 843

QY 281 ValGluSerThrGlyAspArgLeuGlnLeuAsnValProPheGluValProSerPro 299
    |||||||
Db 844 GTCGAAAGCACTGGAGACAGGCTGAGCTCAATGTGCCCTTTGAAGTTCACAGCCCT 900
  
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RESULT 2

US-09-840-795-18
 ; Sequence 18, Application US/09840795
 ; Patent No. US20020143147A1

```

; GENERAL INFORMATION:
; APPLICANT: Murphy, Erin E.
; APPLICANT: Mattson, Jeanine D.
; APPLICANT: Bates, Elizabeth Esther Mary
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Lebecque, Serge J.E.
; TITLE OF INVENTION: Mammalian Genes; Related Reagents
; FILE REFERENCE: SF0818K
; CURRENT APPLICATION NUMBER: US/09/840,795
; PRIOR FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: 09/351,777
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO 18
; LENGTH: 932
; TYPE: DNA
; ORGANISM: primate
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (78)..(770)
; NAME/KEY: misc_feature
; LOCATION: (782)
; OTHER INFORMATION: n; may be A, C, G, or T
US-09-840-795-18
  
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Alignment Scores:
 Pred. No.: 1.37e-108
 Score: 1124.00
 Percent Similarity: 84.01%
 Best Local Similarity: 80.67%
 Query Match: 68.87%
 DB: 10
 Length: 932
 Matches: 217
 Conservative: 9
 Mismatches: 34
 Indels: 10
 Gaps: 3

US-09-695-369a-35 (1-299) x US-09-840-795-18 (1-932)

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QY 1 MetaspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArg 20
    |||||||
Db 78 ATGATTGCCAAGAAATGAGTACTGGGACCAATGGGACGGTGTGTACACCTGCCAACGG 137

QY 21 CysGlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGluGlyAspAlaTyr 40
    |||||||
Db 138 TGTGTCTGTGACAGAGACTATCCAGGATTTGTGTATGAGAGGGTGGAGATGCCCTAC 197

QY 41 CysThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSer 60
    |||||||
Db 198 TGCACAGCCTGCCCTCTCTCGCAGGTACAAAGCAGCTGGGGCCACCAATGTCAAGAT 257

QY 61 CysIleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsn 80
    |||||||
Db 258 TGCATCACCTGTGCTGTCAATCAATGCTGTTCAGAGGTCACATGACAGCTAACCCTAAT 317

QY 81 AlaValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyLeuGln 100
    |||||||
Db 318 GCTGTGTGTGGGACTGTGTGCCAGGTTCTACCGAAAGACAGCATTTGAGGCTGAGC 377

QY 101 AspGlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPhe 120
    |||||||
Db 378 GACCAAGAGTGCATCCCGTGCACGAAGACAGACCCCACTGTGAGGTTCAATGTGCTTC 437

QY 121 GlnLeuSerLeuValGluAlaAspAlaProThrValProProGlnGlnAlaThrLeuVal 140
    |||||||
Db 438 CAGTTGAGCTTAACTGGAGGCGATGACCCACAGAGTGCCTTCAAGAGGCGCACTTGT 497

QY 141 AlaLeuValSerSerLeuLeuValValPheThrLeuAlaPheLeuGlyLeuPheLeu 160
    |||||||
Db 498 GCAGTGTGAGCAGCCTGTCTAGTGTGTATACCTGTGCTTCTGCTCTCTCTCTCTC 557

QY 161 TyrCysLysGlnPhePheAsnArgHisCysGlnArgValAlaGlyLeuLeuGlnPhe 180
    |||||||
Db 558 TACTGCAAGCAGTTCTTCAACAGACATTCGACGCT-----GGAGGTTGCTGCAGATT 611

QY 181 GluAlaAspLysThrAlaLysGlnGluSerLeuPheProValProProSerLysGlnThr 200
  
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|||||
Db 612 GAGCTGATTAACAGCAAGAGGATCTCTCTCCCGTGCCACCCAGCAAGAGGAGACC 671
Qy 201 SerAlaGluSerGlnValSerGluAsnIlePheGlnThrGlnProLeuAsnProIleLeu 220
Db 672 AGTGCTGAGTCCCAAGTCTCTTG-GGCCCTTGCGAGCCTTGCCAGTT-----GTCTC 724
Qy 221 GluAspCysSerSerThrSerGlyPheProThrGlnGluSerPheThrMetalaser 240
Db 725 TCTGACTCTGTCTCTATACCAACAGCAGCAGGCGCTGAATGATGTCCACANGA 784
Qy 241 CysThrSerGluSerHisSerHisTrpValHisSerPro-----IleGlu 255
Db 785 GCTAATACCTACAGATGGGACATATCTCTATCCCATCCACACAGAGATTGATTCTCAT 844
Qy 256 CysThrGluLeuAspLeuGlnLysPhe 264
Db 845 TTCACAAGGACTGATCTGAGCATTTTC 871

RESULT 3
19-840-795-16
Sequence 16, Application US/09840795
; Patent No. US20020143147A1
; GENERAL INFORMATION:
; APPLICANT: Murphy, Erin E.
; APPLICANT: Mattson, Jeanine D.
; APPLICANT: Bates, Elizabeth Esther Mary
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Lebecque, Serge J.E.
; TITLE OF INVENTION: Mammalian Genes; Related Reagents
; FILE REFERENCE: SF0818K
; CURRENT APPLICATION NUMBER: US/09/840,795
; CURRENT FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: 09/351,777
; PRIOR FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 16
; LENGTH: 546
; TYPE: DNA
; ORGANISM: primate
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (78)-(308)
; NAME/KEY: misc_feature
; LOCATION: (317)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (340)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (351)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (389)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (398)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (428)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (429)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (433)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (452)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (468)
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; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (483)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (534)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (541)
; OTHER INFORMATION: n; may be A, C, G, or T
US-09-840-795-16

Alignment Scores:
Pred. No.: 3.97e-43 Length: 546
Score: 495.00 Matches: 96
Percent Similarity: 70.92% Conservative: 4
Best Local Similarity: 68.09% Mismatches: 31
Query Match: 30.33% Indels: 10
DB: 10 Gaps: 3

US-09-695-369a-35 (1-299) x US-09-840-795-16 (1-546)

Qy 1 MetaspCysGlnGluAsnGluTrpAspGlnTrpGlyArgCysValThrCysGlnArg 20
Db 78 ATGATGATGCCAAGAAATGAGTACTGGGACCAATGGGAGCGTGTCTACCTGCCAACGG 137
Qy 21 CysGlyProGlyGlnGluLeuSerLysAspCysGlyTyrglyGluGlyAspAlaTyr 40
Db 138 TGTGCTCTGACAGAGAGCTATCCAGATGTGTATGAGAGGCTGAGATGCTTAC 197
Qy 41 CysThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSer 60
Db 198 TGCACAGCCTGCCCTCTCGCAGGTACAAAGAGCTGGGCGCCACCAAAATGTACAGT 257
Qy 61 CysIlePheCysAlaValIleAsnArgValGlnLysVal-AsnCysThrAla-ThrSerA 80
Db 258 TGCATCACCTGTGCTCTCATCAATGCTGTTCAGAAAGTCCAACTGCACAGTACCTCTN 317
Qy 80 snAlaValCysGlyAspCysLeuProArgPheTyrArgLysThr-----ArgI 96
Db 318 ATGCTGTCTGTGGGGATGTTGNCACCAAGTCTNACCGAAAGACACGCCATGGGAAGGC 377
Qy 96 IeGlyGlyLeuGlnAspGlnGlyCysIleProCysThrLysGlnThrPro-----Thrs 114
Db 378 TGGCAGGA-----CCANGAATGGCCNTCCCGTGGCAGAAAGCCAGACCCCAACNNCT 431
Qy 114 erGluValGlnCysAlaPheGlnLeuSerLeuValGluAlaAspAlaProThrValPro 133
Db 432 GNAGTTCCATGTTGGCCTTNCATTTGGAAGCTTANTGGGAAGCAGATGNCACCCA 490

RESULT 4
US-09-780-532-1
; Sequence 1, Application US/09780532
; Patent No. US20020068696A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THEREFO
; FILE REFERENCE: GNN-012CP
; CURRENT APPLICATION NUMBER: US/09/780,532
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1660
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
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NAME/KEY: CDS
LOCATION: (1)...(1251)
US-09-780-532-1

Alignment Scores:

Pred. No.:	1.44e-41	Length:	1660
Score:	487.00	Matches:	104
Percent Similarity:	47.68%	Conservative:	40
Best Local Similarity:	34.44%	Mismatches:	102
Query Match:	29.84%	Indels:	56
DB:	10	Gaps:	4

US-09-695-369A-35 (1-299) x US-09-780-532-1 (1-1660)

QY 2 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21
Db 97 GACTGTAGACACGCAAGAAATTCAGGGATCGTCTGGAACCTGTGTCCTCCGCAACAGTGT 156
QY 22 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlnGlyGlyAspAlaTyrCys 41
Db 157 GGGCCAGGATGAGTGTCTAAGGAATGTGCTTCGCTATGGGAGAGATGACAGTGT 216
QY 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61
Db 217 GTGACGTGCCGCGTCGACAGGTTCAAGAGAGAGACTGGGCTTCAGAAATGCAAGCCCTGT 276
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
Db 277 CTGACATGCCAGTGTGTAACCCGCTTCAGAAAGCAAAATGTTCAGCCACCACTGATGCC 336
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgLysGlyGlyLeuGlnAsp 101
Db 337 ATCTGGGGGAGACTGCTTCCAGGATTTTATAGGAAGACGAACCTGTGCGCTTTTCAAGAC 396
QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
Db 397 ATGAGTGTGTGCTGTGTGAGACCCCTCCTCCTTACGAACCGCACTGTGCGCAGCAAG 456
QY 122 LeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuValAla 141
Db 457 GTCAACCTCGTGAAGATCGCGTCCAGCGCCCTCCAGCCGAGACACGCGCTGGCTGCC 516
QY 142 LeuValSerSerLeuLeuValValPheThrLeuAlaPheLeuGlyLeuPheLeuTyr 161
Db 517 GTTATCTGCAGCGCTGTGGCCACCGCTCCTGCGCCCTGCTCAATCTGTGTATCTAT 576
QY 162 CysLysGlnPhePheAsnArgHisCysGlnArgValAlaGlyLysLeuLeuGlnPheGlu 181
Db 577 TGTAGAGACAGTTATGGAG-----AAGAAACCCAGCTGCTCTGCGGTCACAGGAC 630
QY 182 AlaAspLysThrAlaLysGluSerLeuPheProValPro-ProSerLysGluThrSe 201
Db 631 ATTCACTACAAACGGCTCTGAGCTGTCTGTTTGAACAGACCTCAGCTCCAGGAATATGCC 690
QY 201 PAlaGluSerGlnValSerGluAsnIlePheGlnThrGlnPro----- 215
Db 691 CACAGAGCCCTGCTGCGCAGTGGCCGCTGACTCAGTCAGACCTGCGGCGGCTGCGCTTG 750
QY 215 ----- 215
Db 751 CTCCCATCCATGCTGTGAGGAGGCTGCAAGCCCAACCGGCGACTCTTGTTGTGG 810
QY 216 -----LeuAsnProIleLeuGluAspAsp----- 223
Db 811 GTGCATTCTGCAGCCAGTCTTCAAGCAAGAAACGACGCGGAGATGTGCCG 870
QY 224 ----CysSerSerThrSerGlyPheProThrGlnGluSerPheThrMet-AlaSerCysT 242
Db 871 ACTTTCTCGAATCCCTCACGCAATCTGTGTGCGGAGTTTTCAGATGCGCTGCGCTTG 930
QY 242 hrSerGluSerHis-----SerHisT 249
Db 931 ATGAGAGATCCCATGGGTGGTGACACACATCTTTTGTGACTCTTATCTGAACTGACT 990

QY 249 rp 249
Db 991 GG 992

RESULT 5

US-10-174-590-473
; Sequence 473, Application US/10174590
; Publication No. US20030008352A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C42
; CURRENT APPLICATION NUMBER: US/10/174,590
; PRIOR APPLICATION removed - See File Wrapper or Palm
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-174-590-473

Alignment Scores:
Pred. No.: 3.28e-41 Length: 2870
Score: 487.00 Matches: 111
Percent Similarity: 50.67% Conservative: 41
Best Local Similarity: 37.00% Mismatches: 95
Query Match: 29.84% Indels: 54
DB: 9 Gaps: 9

US-09-695-369A-35 (1-299) x US-10-174-590-473 (1-2870)
QY 2 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21
Db 281 GACTGTAGACACGCAAGAAATTCAGGGATCGCTCGGAACCTGTGTCCTGCAACCACTGT 340
QY 22 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlnGlyGlyAspAlaTyrCys 41
Db 341 GGGCCAGGACAGTGTGTCTAAGGAATGTGCTTCGCTATGGGAGAGATGCAACAGTGT 400
QY 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61
Db 401 GTGACGTGCCGCGCTGCACAGGTTCAAGGAGACTGGGCTTCAGAAATGCAAGCCCTGT 460
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
Db 461 GTGACTGCGCAGTGTGTAACCCGCTTTCAGAAAGCAAAATGTTCAGACCACTGATGCC 520
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgLysGlyGlyLeuGlnAsp 101
Db 521 ATCTCGGGGAGCTGTGTCAGGATTTTATAGGAAGACAAACTGTGCGCTTCAAGAC 580
QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
Db 581 ATGAGTGTGTGCTGTGTGAGAACCTCCTCCTTACGAACCGCACTGTGCCAGCAAG 640
QY 122 LeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuValAla 141
Db 641 GTCAACCTCGTGAAGATCGCGTCCACGCGCTCCAGCCCAAGGAGACGCGCTGCGCTGCC 700
QY 142 LeuValSerSerLeuLeuValValPheThrLeuAlaPheLeuGlyLeuPheLeuTyr 161

```

Db 701 GTTATCTGACAGGCTCTGGCCACCGCTCTGCTGGCCCTGCTCATCTCTGTGTATAT 760
QY 162 CysLys---GlnPhePheAsnArgHisCysGln-----ArgValAlaGlyGlyLeu 177
Db 761 TGTAAAGACAGCTTTATGAGAAAGAA-ACCCAGCTGGTCTCTGCGGTGCCAGACATTC 819
QY 178 Leu-----GlnPheGlnAlaAspLysThrAlaLysGlu 188
Db 820 GTACAACGGCTCTGAGCTGTGCTGTTTGTGACAGCTCAGCTCCAGCAATATGC---CCA 876
QY 189 GluSerLeuPheProValProPro-----SerLysGlnThrSerAlaGluSerGlnVal 206
Db 877 CAGAGCCTGCTGCGCAGTGCCTGCTGAGTGCAGACCTGCGGCGGTGCGCTGCT 936
QY 207 SerGluAsnIle-----PheGlnThrGlnProLeuAsnProIleLeuGluAsp 222
Db 937 CCCATCCATGTGCTGTGAGGAGGCTGCAGCCCAACCCGCGACTCTGTGTTGGGGT 996
QY 223 Asp---CysSerSerThrSerGlyPheProThrGlnGluSer----- 235
Db 997 GCATCTCTGACGCCAGTCTTTCAGGCAAGAACGACGCGCCGAGATGTCGCCGAC 1056
QY 236 -----PheThrMetAlaSerCysThr 242
Db 1057 TTTCTTCGAGACCCCTCAGCAGTCCATCTGTGCGAGTTTTCAGATGCTGCGCTGTGAT 1116
QY 243 SerGluSerHis-----SerHisTrp 249
Db 1117 GCAGAATCCCATGGGTGTGTGACACATCTTTTGTGACTCTTATCTGAATCACTACATGG 1176

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RESULT 6

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US-10-176-758-473
; Sequence 473, Application US/10176758
; Publication No. US20030008353A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C104
; CURRENT APPLICATION NUMBER: US/10/176,758
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-10-176-758-473

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Alignment Scores:

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Pred. No.: 3.28e-41 Length: 2870
Score: 487.00 Matches: 111
Percent Similarity: 50.67% Conservative: 41
Best Local Similarity: 37.00% Mismatches: 95
Query Match: 29.84% Indels: 54
DB: Gaps: 9

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US-09-695-369a-35 (1-299) x US-10-176-758-473 (1-2870)

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QY 2 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21
Db 281 GACGTGTAGACAGCAAGAAATTCAGGATCGGTGTGAAGAACTGTGTCCCTGCAACCAAGTGT 340

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QY 22 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGluGlyLysAlaTyrCys 41
Db 341 GGGCAGGAGTGGAGTTGTCTAAGGAATGTGGCTTCGGCTATGGGAGGATGCACAGTGT 400
QY 42 ThrAlaCysProProArgArgTyrLysSerSerTyrGlyHisHisLysCysGlnSerCys 61
Db 401 GTGAGTGGCGGCTGCACAGGTTCAAGGAGGAGTGGGGCTTCAGAAATGCAGGCCCTGT 460
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
Db 461 CTGGAAGTGGCAGTGTGTAGAACCGCTTTCAGAAAGCAAAATGTTACAGCACCAAGTATGCC 520
QY 82 ValCysGlyAspCysLeuProArgPheThrArgLysThrArgIleGlyGlyLeuGlnAsp 101
Db 521 ATCTGGGGGAGTCTGTGCCAGGATTTTATAGGAAGCAAACTGTGCGGCTTTCAGAAC 580
QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
Db 581 ATGAGTGTGTGCTGTGTGAGAACCTCTCTCTCTTACGAACCGCACTGTGCCAGCAAG 640
QY 122 LeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuValAla 141
Db 641 GTCAACCTCTGAAGATGCGCTCCAGCGCTCCAGCCCAAGGACAGCGCGCTGCTGCC 700
QY 142 LeuValSerSerLeuLeuValValPheThrLeuAlaPheLeuGlyLeuPheLeuTyr 161
Db 701 GTTATCTGACGCGCTGTGCGCACCGCTCTGCTGCGCTGCTCATCTCTGTGTATAT 760
QY 162 CysLys---GlnPhePheAsnArgHisCysGln-----ArgValAlaGlyGlyLeu 177
Db 761 TGTAAAGACAGCTTTATGAGAAAGAA-ACCCAGCTGTGCTCTGCGGCTGCGAGACATTC 819
QY 178 Leu-----GlnPheGlnAlaAspLysThrAlaLysGlu 188
Db 820 GTACAACGGCTCTGAGCTGTGCTGTTTGTGACAGACCTCAGCTCCAGCAATATGC---CCA 876
QY 189 GluSerLeuPheProValProPro-----SerLysGlnThrSerAlaGluSerGlnVal 206
Db 877 CAGAGCCTGCTGCGCAGTGCCTGCTGAGTGCAGACCTGCGGCGGTGCGCTGCT 936
QY 207 SerGluAsnIle-----PheGlnThrGlnProLeuAsnProIleLeuGluAsp 222
Db 937 CCCATCCATGTGCTGTGAGGAGGCTGCAGCCCAACCCGCGACTCTGTGTTGGGGT 996
QY 223 Asp---CysSerSerThrSerGlyPheProThrGlnGluSer----- 235
Db 997 GCATCTCTGACGCCAGTCTTTCAGGCAAGAACGACGCGCCGAGATGTCGCCGAC 1056
QY 236 -----PheThrMetAlaSerCysThr 242
Db 1057 TTTCTTCGAGACCCCTCAGCAGTCCATCTGTGCGAGTTTTCAGATGCTGCGCTGTGAT 1116
QY 243 SerGluSerHis-----SerHisTrp 249
Db 1117 GCAGAATCCCATGGGTGTGTGACACATCTTTTGTGACTCTTATCTGAATCACTACATGG 1176

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RESULT 7

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US-10-052-586-473
; Sequence 473, Application US/10052586
; Patent No. US20020127584A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin

```


;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P3430R1C1
;; CURRENT APPLICATION NUMBER: US/10/052,586
;; CURRENT FILING DATE: 2002-01-15
;; PRIOR APPLICATION NUMBER: 60/059263
;; PRIOR FILING DATE: 1997-09-18
;; PRIOR APPLICATION NUMBER: 60/059266
;; PRIOR FILING DATE: 1997-09-18
;; PRIOR APPLICATION NUMBER: 60/062250
;; PRIOR FILING DATE: 1997-10-17
;; PRIOR APPLICATION NUMBER: 60/063120
;; PRIOR FILING DATE: 1997-10-24
;; PRIOR APPLICATION NUMBER: 60/063121
;; PRIOR FILING DATE: 1997-10-24
;; PRIOR APPLICATION NUMBER: 60/063486
;; PRIOR FILING DATE: 1997-10-21
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;; PRIOR FILING DATE: 1997-11-24
;; PRIOR APPLICATION NUMBER: 60/066772
;; PRIOR FILING DATE: 1997-11-24
;; PRIOR APPLICATION NUMBER: 60/069335
;; PRIOR FILING DATE: 1997-12-11
;; PRIOR APPLICATION NUMBER: 60/069425
;; PRIOR FILING DATE: 1997-12-12
;; PRIOR APPLICATION NUMBER: 60/069870
;; PRIOR FILING DATE: 1997-12-17
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;; PRIOR FILING DATE: 1997-12-18
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;; PRIOR FILING DATE: 1998-03-10
;; PRIOR APPLICATION NUMBER: 60/077632
;; PRIOR FILING DATE: 1998-03-11
;; PRIOR APPLICATION NUMBER: 60/077649
;; PRIOR FILING DATE: 1998-03-11
;; PRIOR APPLICATION NUMBER: 60/078886
;; PRIOR FILING DATE: 1998-03-20
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;; PRIOR FILING DATE: 1998-03-31
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;; PRIOR APPLICATION NUMBER: 60/080333
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;; PRIOR APPLICATION NUMBER: 60/083322
;; PRIOR FILING DATE: 1998-04-28
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;; PRIOR FILING DATE: 1998-05-15
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;; PRIOR FILING DATE: 1998-05-22
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;; PRIOR FILING DATE: 1998-05-22
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;; PRIOR APPLICATION NUMBER: 60/087609
;; PRIOR FILING DATE: 1998-06-02
;; PRIOR APPLICATION NUMBER: 60/087759
;; PRIOR FILING DATE: 1998-06-02
;; PRIOR APPLICATION NUMBER: 60/087827
;; PRIOR FILING DATE: 1998-06-03
;; PRIOR APPLICATION NUMBER: 60/088025
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088028
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;; PRIOR APPLICATION NUMBER: 60/088167
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; PRIOR FILING DATE: 1998-06-04
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; PRIOR FILING DATE: 1998-06-16
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; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089553
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089908

Alignment Scores:

Pred. No.: 3.28e-41 Length: 2870
Score: 487.00 Matches: 111
Percent Similarity: 50.67% Conservative: 41
Best Local Similarity: 37.00% Mismatches: 95
Query Match: 29.84% Indels: 54
DB: 12 Gaps: 9

9-695-369A-35 (1-299) x US-10-052-586-473 (1-2870)

QY 2 AspCysGlnGluAsnGlnTyrTrpAspGlnTrpGlyValArgCysValThrCysGlnArgCys 21
Db 281 GACTGTAGACAGCAAGATTTCAGGATGCTCTGGAACATGTGTCCCTGCAACCAAGTGT 340
QY 22 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGluGlyGlyAspAlaTyrCys 41
Db 341 GGGCCAGGCATGGAGTTGTCTAAGGATGTGGCTTCGGCTATGGGAGGATGCACAGTGT 400
QY 42 ThrAlaCysProProArgArgTyrLysSerSerTyrGlyHisHisLysCysGlnSerCys 61
Db 401 GTGAGTGGCGGCTGCACAGGTTCAAGAGGAGACTGGGCTTCAGAAATGCAAGCCCTGT 460
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
Db 461 CTGACCTGCGCAGTGTGAACCGCTTTCAGAAAGCAAAATGTTCAGCCACCAAGTATGCC 520
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyGlyLeuGlnAsp 101
Db 521 ATCTGCGGGGACTGCTTGCACAGATTATAGGAAGCAAACTTTCGGCTTCAGAGAC 580
QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121

Db 581 ATGAGTGTGTGCTTGTGGAGACCTCTCTCTCTTACGAAACCGACACTGTGCCAGCAAG 640
QY 122 LeuSerLeuValGluAlaAspAlaProThrValProProGlnGluAlaThrLeuValAla 141
Db 641 GTCAACCTCGTAGATCGCGTCCAGCGGCTCCAGCCACAGGAGACACGGCGCTGGCTGCC 700
QY 142 LeuValSerSerLeuLeuValAlaPheThrLeuAlaPheLeuGlyLeuPheLeuTyr 161
Db 701 GTTATCTGACGCGCTGTGGCCACCGCTCCTGCTGCGCTGCTCATCTCTAT 760
QY 162 CysLys---GlnPhePheAsnArgHisCysGln-----ArgValAlaGlyGlyLeu 177
Db 761 TGTAGAGACAGTTTATGAGAGAA-ACCAGCTGCTCTGCGGTCGAGAGACATTCA 819
QY 178 Leu-----GlnPheGluAlaAspLysThrAlaLysGlu 188
Db 820 GTACAACGGCTGTGAGCTGTGCTTTTGACAGACCTCAGCTCCAGAAATATGC---CCA 876
QY 189 GluSerLeuPheProValProPro-----SerLysGluThrSerAlaGlnSerGlnVal 206
Db 877 CAGAGCTGCTGCCAGTGCAGGCGGCTGACTCAGTGCAGACCTGCGGGCGGCTTGTCT 936
QY 207 SerGluAsnIle-----PheGlnThrGlnProLeuAsnProIleLeuGluAsp 222
Db 937 CCCATCCATGTGCTGTGAGAGAGGCGCTGCAGCCCAACCGGCGACTCTGTGTGGGGT 996
QY 223 Asp---CysSerSerThrSerGlyPheProThrGlnGluSer----- 235
Db 997 GCATTCTGCAGCCAGCTCTTACGCAAGAAACGAGCCGAGCGGAGATGGTCCGAC 1056
QY 236 -----PheThrMetAlaSerCysThr 242
Db 1057 TTCTTCGGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGCCCTGTGAT 1116
QY 243 SerGluSerHis-----SerHisTyr 249
Db 1117 GCAGATCCCATGGTGGTGACAAACATCTTTTGTGACTCTTATCCAGACTCACTGG 1176

RESULT 8

US-09-780-532-3
; Sequence 3, Application US/09780532
; Patent No. US20020068696A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNN-012CP
; CURRENT APPLICATION NUMBER: US/09/780,532
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 1325
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1269)
US-09-780-532-3

Alignment Scores:

Pred. No.: 5.56e-41 Length: 1325
Score: 480.00 Matches: 103
Percent Similarity: 56.45% Conservative: 37
Best Local Similarity: 41.53% Mismatches: 87
Query Match: 29.41% Indels: 22
DB: 10 Gaps: 7

US-09-695-369A-35 (1-299) x US-09-780-532-3 (1-1325)

QY 2 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21
 DB 97 GACTGTAGACAGCAAGATTTCAGGATCGCTGTGAAACTGTGTCCCTGCAACCACTGT 156
 QY 22 GlyProGlyGlnGluSerLysAspCysGlyTyrGlyGluGlyAspAlaTyrCys 41
 DB 157 GGGCCAGGATGGAGTGTCTAAGAAATGTGGCTATGGGAGGATGCACAGTGT 216
 QY 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61
 DB 217 GTGACGTGCCGCTGCACAGGTTCAAGAGGAGCTGGGGCTTCCAGAAATGCAAGCCCTGT 276
 QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
 DB 277 CTGACTGCGCAGTGTGTGAACCGCTTTCAGAGGCAAAATTGTTCAGCCACAGTGTGCC 336
 QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgLysGlyGlyLeuGlnAsp 101
 DB 337 ATCTGCGGGAGCTGCTGCCAGAAATTATAGAGAACGAAACTGTGCGCTTTCAGAGAC 396
 QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
 DB 397 ATGAGTGTGTGCTGTGTGAGAGACCCCTCCTCCTTACGAAACCGACACTGTGCCAGCAAG 456
 QY 122 LeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuValAla 141
 DB 457 GTCAACCTCGTGAAGATCGCTCCAGGCTCCAGCCACAGGACAGCGCGCTGGCTGCC 516
 QY 142 LeuValSerSerLeuLeuValValPheThrLeuAlaPheLeuGlyLeuPheLeuTyr 161
 DB 517 GTTATCTGACGCTGTGCGCACCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTAT 576
 QY 162 CysLys--GlnPhePheAsnArgHisCysGln-----ArgValAlaGlyGlyLeu 177
 DB 577 TGTAGAGACAGTTTATGAGAGAA-ACCAGAGTGTCTCTGCGGTTCACAGAGATCA 635
 QY 178 Leu-----GlnPheGluAlaAspLysThrAlaLysGlu 188
 DB 636 GTACACAGGCTCTGAGCTGTCTGTCTGTGACAGACCTCAGCTCCAGCAATATGC--CCA 692
 QY 189 GluSerLeuPheProValProPro-----SerLysGluThrSerAlaGluSerGlnVal 206
 DB 693 CAGAGCTGTGCTGCGCAGTGCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 752
 QY 207 SerGluAsnIle-----PheGlnThrGlnProLeuAsnProIleLeuGluAsp 222
 DB 753 CCCATCCATGTGCTGTGAGAGGAGGCTGCAAGCCCAACCGGCGACTCTGTGTTGGGGT 812
 QY 223 Asp---CysSerSerThrSercly 229
 DB 813 GCATTCTGCAGCCAGTCTTCAGGC 836

RESULT 9
 US-10-114-893-120

; Sequence 120, Application US/10114893
 ; Publication No. US20020193567A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Jacobs, Kenneth
 ; APPLICANT: MCCOY, John M.
 ; APPLICANT: Lavallie, Edward R.
 ; APPLICANT: Collins-Racie, Lisa A.
 ; APPLICANT: Evans, Cheryl
 ; APPLICANT: Merberg, David
 ; APPLICANT: Treacy, Maurice
 ; APPLICANT: Bowman, Michael R.
 ; APPLICANT: Spaulding, Vikki
 ; APPLICANT: Carlin-Duckett, McKeough
 ; APPLICANT: Kelleher, Kerry S.
 ; APPLICANT: Genetics Institute, Inc.
 ; TITLE OF INVENTION: SECRETED PROTEINS AND POLYPEPTIDES ENCODING THEM
 ; FILE REFERENCE: GI 6000-40A

; CURRENT APPLICATION NUMBER: US/10/114,893
 ; CURRENT FILING DATE: 2002-04-02
 ; EARLIER APPLICATION NUMBER: 09/413,232
 ; EARLIER FILING DATE: 1999-10-06
 ; NUMBER OF SEQ ID NOS: 321
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 120
 ; LENGTH: 1502
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-10-114-893-120

Alignment Scores:
 Pred. No.: 6.71e-41 Length: 1502
 Score: 480.00 Matches: 103
 Percent Similarity: 56.45% Conservative: 37
 Best Local Similarity: 41.53% Mismatches: 87
 Query Match: 29.41% Indels: 22
 DB: 9 Gaps: 7

US-09-695-369A-35 (1-299) x US-10-114-893-120 (1-1502)

QY 2 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21
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 QY 22 GlyProGlyGlnGluSerLysAspCysGlyTyrGlyGluGlyAspAlaTyrCys 41
 DB 207 GGGCCAGGATGGAGTGTCTAAGAAATGTGGCTATGGGAGGATGCACAGTGT 266
 QY 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61
 DB 267 GTGACGTGCCGCTGCACAGGTTCAAGAGGAGCTGGGGCTTCCAGAAATGCAAGCCCTGT 326
 QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
 DB 327 CTGACTGCGCAGTGTGTGAACCGCTTTCAGAGGCAAAATTGTTCAGCCACAGTGTGCC 386
 QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgLysGlyGlyLeuGlnAsp 101
 DB 387 ATCTGCGGGAGCTGCTGCCAGAAATTATAGAGAACGAAACTGTGCGCTTTCAGAGAC 446
 QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
 DB 447 ATGAGTGTGTGCTGTGTGAGAGACCCCTCCTCCTTACGAAACCGACACTGTGCCAGCAAG 506
 QY 122 LeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuValAla 141
 DB 507 GTCAACCTCGTGAAGATCGCTGCCAGGCTCCAGCCACAGGACAGCGGCTGGCTGCC 566
 QY 142 LeuValSerSerLeuLeuValValPheThrLeuAlaPheLeuGlyLeuPheLeuTyr 161
 DB 567 GTTATCTGACGCTGTGCGCACCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTAT 626
 QY 162 CysLys--GlnPhePheAsnArgHisCysGln-----ArgValAlaGlyGlyLeu 177
 DB 627 TGTAGAGACAGTTTATGAGAGAA-ACCAGAGTGTGCTGCTGCGGTTCACAGAGATCA 685
 QY 178 Leu-----GlnPheGluAlaAspLysThrAlaLysGlu 188
 DB 686 GTACACAGGCTCTGAGCTGTGTGCTGTGACAGACCTCAGCTCCAGCAATATGC--CCA 742
 QY 189 GluSerLeuPheProValProPro-----SerLysGluThrSerAlaGluSerGlnVal 206
 DB 743 CAGAGCTGTGCTGCGCAGTGCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 802
 QY 207 SerGluAsnIle-----PheGlnThrGlnProLeuAsnProIleLeuGluAsp 222
 DB 803 CCCATCCATGTGCTGTGAGAGGAGGCTGCAAGCCCAACCGGCGACTCTGTGTTGGGGT 862
 QY 223 Asp---CysSerSerThrSercly 229
 DB 863 GCATTCTGCAGCCAGTCTTCAGGC 886

RESULT 10
US-09-780-532-5
; Sequence 5, Application US/09780532
; Patent No. US20020068696A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNN-012CP
; CURRENT APPLICATION NUMBER: US/09/780,532
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
LENGTH: 1914
TYPE: DNA
ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1248)
US-09-780-532-5

Alignment Scores:
Pred. No.: 2.53e-40 Length: 1914
Score: 476.00 Matches: 92
Percent Similarity: 58.14% Conservative: 33
Best Local Similarity: 42.79% Mismatches: 85
Query Match: 29.17% Indels: 5
DB: 10 Gaps: 2

US-09-695-369a-35 (1-299) x US-09-780-532-5 (1-1914)

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QY 22 GlyProGlyGlnGluSerLysAspCysGlyTyrGlyGlnGlyGlyAspAlaTyrCys 41
| | | | | : : : : : | | : : : | | | | | : : : : : | |
DB 157 GGACCTGGCATGGAGTTGTCACAGGAATGTGGCTTCGGCTATGGGGAGAGATGCACAGTGT 216
| | | | | : : : : : | | : : : | | | | | : : : : : | |
QY 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61
| | | | | : : : : : | | : : : | | | | | : : : : : | |
DB 217 GTGCCCTGCAGCGCCGACCGGTTCACAGGAAGACTGGGGTTTCAGAACTGTATAGCCATGT 276
| | | | | : : : : : | | : : : | | | | | : : : : : | |
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
| | | | | : : : : : | | : : : | | | | | : : : : : | |
DB 277 GCGGACTGTGCGCTGGTGAACCGCTTTTCAGAGGGCCAACTGCTCACACACAGTGTGCT 336
| | | | | : : : : : | | : : : | | | | | : : : : : | |
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgTleGlyGlyLeuGlnAsp 101
| | | | | : : : : : | | : : : | | | | | : : : : : | |
DB 337 GTCTGGGGGAGACTGCTGCCAGAAATTTCACGGAAGACCAAACTGTTGTTTTCAGAGAC 396
| | | | | : : : : : | | : : : | | | | | : : : : : | |
QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
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DB 397 ATGAGTGTGTGCCCTGCGGAGACCAACCTCCTCCCTACGAACCAACACTGTACCAAGCAAG 456
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QY 122 LeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuValAla 141
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QY 142 LeuValSerSerLeuLeuValValPheThrLeuAlaPheLeuGlyLeuPhePheLeuTyr 161
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DB 517 GTCAATCTGCAGTCTCTGGCCACAGGTGCTGTGCTGCTCAATCTGTGTGTCAATCTAC 576
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QY 162 CysLysGlnPhePheAsnArgHisCysGlnArgValAlaGlyGlyLeuLeuGlnPheGlu 181
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DB 577 TGCAGAGAGGAGTTTATGAGAG-----AAGAAACCAACGCTGTGTCTGTGCGGTTCACAGGAC 630
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QY 182 AlaAspLysThrAlaLysGlnGluSerLeuPheProValPro-ProSerLysGlnThrSe 201
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DB 631 ATTCACTACATGGCTCTGAGCTGTCAAGCTTTGACCAGACCTCGGCTCCGCCACTGTGCC 690
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QY 201 rAlaGluSerGlnValSerGluAsnIlePheGlnThrGlnPro 215
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DB 691 CATGAGCATGCTGTCAAGT-----ATCACCGGAGACTCAGCCC 727
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RESULT 11
US-09-782-980-25
; Sequence 25, Application US/09782980
; Patent No. US20020072089A1
; GENERAL INFORMATION:
; APPLICANT: Khodadoust, Mehran M.
; APPLICANT: MacBeth, Kyle J.
; APPLICANT: Bustield, Samantha J.
; APPLICANT: McCarthy, Sean A.
; APPLICANT: Holtzman, Douglas A.
; APPLICANT: Gu, Wei
; APPLICANT: White, David
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL ITALY, LOR-2, STRIFE, TRASH, BDSE, LRSG, AND
; TITLE OF INVENTION: STMT PROTEIN AND NUCLEIC ACID MOLECULES AND USES
; FILE REFERENCE: MNI-121CP
; CURRENT APPLICATION NUMBER: US/09/782,980
; PRIOR FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/02125
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 09/448,076
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: 09/276,400
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: 60/117,580
; PRIOR FILING DATE: 1999-01-27
; PRIOR APPLICATION NUMBER: 09/014,195
; PRIOR FILING DATE: 1998-01-27
; PRIOR APPLICATION NUMBER: 09/014,348
; PRIOR FILING DATE: 1998-01-27
; PRIOR APPLICATION NUMBER: 09/086,892
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 09/296,208
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: 09/063,950
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 09/561,381
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 09/561,810
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 09/087,121
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 09/672,721
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: 09/049,799
; PRIOR FILING DATE: 1998-03-27
; NUMBER OF SEQ ID NOS: 176
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 25
LENGTH: 555
TYPE: DNA
ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(555)
US-09-782-980-25

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Score: 474.00 Matches: 79
Percent Similarity: 65.45% Conservative: 29
Best Local Similarity: 47.88% Mismatches: 57
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; Sequence 22, Application US/09782980
; Patent No. US20020072089A1
; GENERAL INFORMATION:
; APPLICANT: Khodadoust, Mehran M.
; APPLICANT: Macbeth, Kyle J.
; APPLICANT: Busfield, Samantha J.
; APPLICANT: McCarthy, Sean A.
; APPLICANT: Holtzman, Douglas A.
; APPLICANT: Gu, Wei
; APPLICANT: White, David
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL ITALY, LOR-2, STRIFE, TRASH, BDSF, LRSG, AND
; TITLE OF INVENTION: STMS PROTEIN AND NUCLEIC ACID MOLECULES AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: MNI-121CP
; CURRENT APPLICATION NUMBER: US/09/782,980
; PRIOR FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/02125
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 09/448,076
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: 09/276,400
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: 60/117,580
; PRIOR FILING DATE: 1999-01-27
; PRIOR APPLICATION NUMBER: 09/014,195
; PRIOR FILING DATE: 1998-01-27
; PRIOR APPLICATION NUMBER: 09/014,348
; PRIOR FILING DATE: 1998-01-27
; PRIOR APPLICATION NUMBER: 09/086,892
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 09/296,208
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: 09/063,950
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 09/561,381
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 09/561,810
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 09/087,121
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 09/672,721
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: 09/049,799
; PRIOR FILING DATE: 1998-03-27
; NUMBER OF SEQ ID NOS: 176
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 981
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (107)..(748)
; US-09-782-980-22

Alignment Scores:
Pred. No.: 1.5e-40 Length: 981
Score: 474.00 Matches: 79
Percent Similarity: 65.45% Conservative: 29
Best Local Similarity: 47.88% Mismatches: 57
Query Match: 29.04% Indels: 0
DB: 10 Gaps: 0

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QY 22 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlnGlyGlyAspAlaTyrCys 41
Db 263 GGACCTGGCATGGAGTGTCTCCAAAGGAAATGTGGCTTCGCTATGGGGAAGATGACAGTGT 322
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QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
Db 383 GCGGACTGTGCGCTGGTGAACCGCTTTCAGAGGGCCCACTGCTCACACAGTGTGCT 442
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyGlyLeuGlnAsp 101
Db 443 GTCTGGCGGAGACTGCTGCGCAGGATTTTACCGGAAGACCAACTGTTGTTTCAAGAC 502
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Db 503 ATGGAGTGTGTGCCCTGCGGAGACCCACCTCCTCCTACGAAACCACTGTACCAAG 562
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QY 162 CysLysGlnPhePhe 166
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RESULT 14
US-09-840-795-14
; Sequence 14, Application US/09840795
; Patent No. US20020143147A1
; GENERAL INFORMATION:
; APPLICANT: Murphy, Erin E.
; APPLICANT: Mattson, Jeanine D.
; APPLICANT: Bates, Elizabeth Esther Mary
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Lebecque, Serge J.E.
; TITLE OF INVENTION: Mammalian Genes; Related Reagents
; FILE REFERENCE: SF0818X
; CURRENT APPLICATION NUMBER: US/09/840,795
; PRIOR FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: 09/351,777
; PRIOR FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14
; LENGTH: 474
; TYPE: DNA
; ORGANISM: primate
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (78)..(473)
; NAME/KEY: misc_feature
; LOCATION: (308)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
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; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
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; NAME/KEY: misc_feature
; LOCATION: (431)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (436)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
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Title: US-09-695-369A-2_COPY_2_129

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Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Database : Published Applications_NA:*

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- 10: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
- 12: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
- 13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
- 14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	740	99.6	905	9	US-10-119-466-11 Sequence 11, Appl
3	489.5	65.9	546	10	US-09-840-795-16 Sequence 16, Appl
4	466.5	62.8	474	10	US-09-840-795-14 Sequence 14, Appl

5	424	57.1	1325	10	US-09-780-532-3	Sequence 3, Appli
6	424	57.1	1502	9	US-10-114-893-120	Sequence 120, App
7	424	57.1	1660	10	US-09-780-532-1	Sequence 1, Appli
8	424	57.1	2870	9	US-10-174-590-473	Sequence 473, App
9	424	57.1	2870	9	US-10-176-758-473	Sequence 473, App
10	424	57.1	2870	12	US-10-052-586-473	Sequence 473, App
11	416	56.0	555	10	US-09-782-980-25	Sequence 25, Appl
12	416	56.0	642	10	US-09-782-980-24	Sequence 24, Appl
13	416	56.0	893	10	US-09-877-156-8	Sequence 8, Appli
14	416	56.0	981	10	US-09-782-980-22	Sequence 22, Appl
15	416	56.0	1944	10	US-09-780-532-5	Sequence 5, Appli
16	406	54.6	363	10	US-09-782-980-29	Sequence 29, Appl
17	406	54.6	450	10	US-09-782-980-28	Sequence 28, Appl
18	406	54.6	623	10	US-09-877-156-9	Sequence 9, Appli
19	406	54.6	636	10	US-09-840-795-12	Sequence 12, Appl
20	406	54.6	655	10	US-09-782-980-26	Sequence 26, Appl
21	383	51.5	292	9	US-10-119-466-4	Sequence 4, Appli
22	140.5	18.9	1290	10	US-09-057-951-3	Sequence 3, Appli
23	140.5	18.9	1290	12	US-10-105-150-3	Sequence 3, Appli
24	140.5	18.9	2570	10	US-09-057-951-1	Sequence 1, Appli
25	140.5	18.9	2570	12	US-10-105-150-1	Sequence 1, Appli
26	140.5	18.9	2703	10	US-09-836-607-1	Sequence 1, Appli
27	132	17.8	705	10	US-09-907-263-3	Sequence 3, Appli
28	132	17.8	1641	10	US-09-758-124-1	Sequence 1, Appli
29	132	17.8	2224	10	US-09-800-909-1	Sequence 1, Appli
30	132	17.8	2224	10	US-09-800-908-2	Sequence 2, Appli
31	132	17.8	3683	10	US-09-954-456-1187	Sequence 1187, Ap
32	131	17.6	558	10	US-09-934-289A-31	Sequence 31, Appl
33	131	17.6	579	10	US-09-934-289A-3	Sequence 3, Appli
34	131	17.6	591	10	US-09-934-289A-19	Sequence 19, Appl
35	131	17.6	831	10	US-09-934-289A-43	Sequence 43, Appl
36	131	17.6	1596	10	US-09-934-289A-17	Sequence 17, Appl
37	131	17.6	1704	12	US-10-020-787-1	Sequence 1, Appli
38	131	17.6	1724	10	US-09-924-231-1	Sequence 1, Appli
39	131	17.6	1724	10	US-09-934-289A-14	Sequence 14, Appl
40	131	17.6	1834	10	US-09-934-289A-41	Sequence 41, Appl
41	131	17.6	1929	10	US-09-934-289A-1	Sequence 1, Appli
42	131	17.6	2313	10	US-09-934-289A-29	Sequence 29, Appl
43	131	17.6	4622	10	US-09-924-231-6	Sequence 6, Appli
44	125	16.8	1480	10	US-09-802-669-65	Sequence 65, Appl
45	125	16.8	8282	9	US-09-966-976A-7	Sequence 7, Appli

ALIGNMENTS

RESULT 1
US-09-840-795-18
; Sequence 18, Application US/09840795
; Patent No. US20020143147A1
; GENERAL INFORMATION:
; APPLICANT: Murphy, Erin E.
; APPLICANT: Mattson, Jeanine D.
; APPLICANT: Bates, Elizabeth Esther Mary
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Lebecque, Serge J.E.
; TITLE OF INVENTION: Mammalian Genes; Related Reagents
; FILE REFERENCE: SF0818K
; CURRENT APPLICATION NUMBER: US/09/840,795
; CURRENT FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: 09/351,777
; PRIOR FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 18
; LENGTH: 932
; TYPE: DNA
; ORGANISM: primate
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (78)..(770)
; NAME/KEY: misc_feature
; LOCATION: (782)
; OTHER INFORMATION: n; may be A, C, G, or T

US-09-840-795-18

Alignment Scores:

Pred. No.: 4.19e-71 Length: 932
Score: 743.00 Matches: 128
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

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QY 21 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlyGlyGlyAspAlaTyrCys 40
DB 141 GGTCTGGACAGAGCTATCCAAAGGATTGTGTATGGAGGGGTGGAGATGCCCTACTGC 200
QY 41 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 60
L 201 ACAGCCTGCCCTCCTCCGAGGTACAAAGACAGCTGGGGCCACACAAATGTCAAGATTGC 260
QY 61 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 80
DB 261 ATCACTGTGTCTCATCATCATCGTTTCAGAAAGTCACTGACACAGCTACCTTAATGCT 320
QY 81 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyGlyLeuGlnAsp 100
DB 321 GGTGTGGGAGACTGTTGCCCAAGGTTCACCGAAAGACACCATTTGGAGGCTTCAGAGAC 380
QY 101 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 120
DB 381 CAAGAGTGCATCCCTGTCACAGAAAGACAGACCCCACTCTGAGGTTCAATGTGCCCTTCAG 440
QY 121 LeuSerLeuValGluAlaAspAla 128
DB 441 TTGAGCTTAGTGAGGAGCATGCA 464

RESULT 2

US-10-119-466-11

; Sequence 11, Application US/10119466
; Patent No. US20020168674A1
; GENERAL INFORMATION:
; APPLICANT: Chui, Clarissa
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Milton, Sean
; APPLICANT: Yau, Minhong
; PPLICANT: Yi, Sothy
; TITLE OF INVENTION: CLONING METHOD
; FILE REFERENCE: P1797
; CURRENT APPLICATION NUMBER: US/10/119,466
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: US/09/480,782
; PRIOR FILING DATE: 2000-01-10
; NUMBER OF SEQ ID NOS: 12
; SEQ ID NO 11
; LENGTH: 905
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: Homo sapiens
; LOCATION: 1-905
; OTHER INFORMATION: Sequence source: ORF position 4 - 903 bp
US-10-119-466-11

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Query Match: 99.60% Indels: 0

DB:

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Gaps:

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QY 41 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 60
DB 127 ACAGCCTGCCCTCCTCCGAGGTACAAAGACAGCTGGGGCCACACAGATGTCAAGATTGC 186
QY 61 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 80
DB 187 ATCACTGTGTCTCATCATCATCGTTTCAGAAAGTCACTGACACAGCTACCTTAATGCT 246
QY 81 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyGlyLeuGlnAsp 100
DB 247 GGTGTGGGAGACTGTTGCCCAAGGTTCACCGAAAGACACCATTTGGAGGCTTCAGAGAC 306
QY 101 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 120
DB 307 CAAGAGTGCATCCCTGTCACAGAAAGACAGACCCCACTCTGAGGTTCAATGTGCCCTTCAG 366
QY 121 LeuSerLeuValGluAlaAspAla 128
DB 367 TTGAGCTTAGTGAGGAGCATGCA 390

RESULT 3

US-09-840-795-16

; Sequence 16, Application US/09840795
; Patent No. US20020143147A1
; GENERAL INFORMATION:
; APPLICANT: Murphy, Erin E.
; APPLICANT: Maltson, Jeanine D.
; APPLICANT: Bates, Elizabeth Esther Mary
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Lebecque, Serge J.E.
; TITLE OF INVENTION: Mammalian Genes; Related Reagents
; FILE REFERENCE: SF0818K
; CURRENT APPLICATION NUMBER: US/09/840,795
; CURRENT FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: 09/351,777
; PRIOR FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
; LENGTH: 546
; TYPE: DNA
; ORGANISM: primate
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (78)..(308)
; NAME/KEY: misc_feature
; LOCATION: (317)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (340)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (351)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (389)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (398)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature

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; LOCATION: (428)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (429)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (433)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (452)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (468)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (483)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (534)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (541)
; OTHER INFORMATION: n; may be A, C, G, or T
; US-09-840-795-16
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Alignment Scores:
Pred. No.: 3.3e-44 Length: 546
Score: 489.50 Matches: 91
Percent Similarity: 87.74% Conservative: 2
Best Local Similarity: 85.85% Mismatches: 9
Query Match: 65.88% Indels: 4
DB: 10 Gaps: 1
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US-09-695-369a-2_copy_2_129 (1-128) x US-09-840-795-16 (1-546)

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QY 1 AspCysGlnGluAsnGlnTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 20
Db 81 GATTGCCAAGAAATGAGTACTGGGACCAATGGGACCGGTGTCACTGCACCAACGCTGT 140
QY 21 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlnGlyGlyAspAlaTyrCys 40
Db 141 GGTCTGGACAGACAGATATCCAGATGTGTATGAGAGGGTGGAGATGCTACTGC 200
QY 41 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisLysCysGlnSerCys 60
Db 201 ACAGCTGCCCCCTCCTCCAGGACCAAAAGCAGCTGGGGCCACCAAAATGTCAAGTTGC 260
QY 61 IleThrCysAlaValIleAsnArgValGlnLysVal-AsnCysThrAla-ThrSerAsnA 80
Db 261 ATCACTGTGCTGTCAATCATGTGTTCAGAGGTCCAACTGCACAGCTAACCCTCTNATG 320
QY 80 IavalGysGlyAspCysLeuProArgPheTyrArgLysThrArg--IleGly-GlyLeu 98
Db 321 CTGTCTGTGGGAGATTTTGNCCCAAGTTCTNACCGAAAGACACGCCCATGGGAAGCTGG 380
QY 99 GlnAspGlnGlu 102
Db 381 CAGGACCANGAA 392
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RESULT 4

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US-09-840-795-14
; Sequence 14, Application US/09840795
; Patent No. US20020143147A1
; GENERAL INFORMATION:
; APPLICANT: Murphy, Erin E.
; APPLICANT: Mattson, Jeanine D.
; APPLICANT: Bates, Elizabeth Esther Mary
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Lebecque, Serge J.E.
; TITLE OF INVENTION: Mammalian Genes; Related Reagents
; FILE REFERENCE: SF0818K
; CURRENT APPLICATION NUMBER: US/09/840,795
; CURRENT FILING DATE: 2001-04-23
```

```
; PRIOR APPLICATION NUMBER: 09/351,777
; PRIOR FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14
; LENGTH: 474
; TYPE: DNA
; ORGANISM: primate
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (78)..(473)
; NAME/KEY: misc_feature
; LOCATION: (308)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (315)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (333)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (412)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (431)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (436)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (444)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (473)
; OTHER INFORMATION: n; may be A, C, G, or T
; US-09-840-795-14
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Alignment Scores:
Pred. No.: 8.04e-42 Length: 474
Score: 466.50 Matches: 99
Percent Similarity: 80.00% Conservative: 5
Best Local Similarity: 76.15% Mismatches: 19
Query Match: 62.79% Indels: 8
DB: 10 Gaps: 3
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US-09-695-369a-2_copy_2_129 (1-128) x US-09-840-795-14 (1-474)

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QY 1 AspCysGlnGluAsnGlnTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 20
Db 81 GATTGCCAAGAAATGAGTACTGGGACCAATGGGACCGGTGTGTCACTGCACCAACGCTGT 140
QY 21 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlnGlyGlyAspAlaTyrCys 40
Db 141 GGTCTGGACAGACAGATATCCAGATGTGTATGAGAGGGTGGAGATGCTACTGC 200
QY 41 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisLysCysGlnSerCys 60
Db 201 ACAGCTGCCCCCTCCTCCAG-TACAAAAGCAGCTGGGCCACCAAAATGTCAAGTTGC 259
QY 61 IleThrCysAlaValIleAsnArgValGlnLysVal-AsnCysThrAla-ThrSerAsnA 80
Db 260 ATCACTGTGCTGTCAATCATGTGTTCAGAGGTTCACACTGCACAGTTACCTCTNATGC 319
QY 80 aValCysGlyAspCys-LeuProArgPheTyr--ArgLysThrArgIleGly-GlyLeu 98
Db 320 TGTCGTGTGGGAGNGTTTGGCCCAAGTTTCTAACCGAAAGACACGCCCATGGGAAGCTGC 379
QY 99 GlnAspGln-GluCysIleProCysThrLys--GlnThrProThrSerGlu--ValG1 116
Db 380 CAGGACCAAGATGGCATCCCGTGGCACAAAGNCAGACCCCAACTCTGTGANGTTNCAA 439
QY 116 nCysAlaPheGlnLeuSerLeu 123
; : ||||| |||
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DB 440 AGTGNCTTCCATTGGAGCTT 461

RESULT 5

US-09-780-532-3

; Sequence 3, Application US/09780532

; Patent No. US20020068696A1

; GENERAL INFORMATION:

; APPLICANT: Wood, Clive

; APPLICANT: Chaudhary, Divya

; APPLICANT: Long, Andrew

; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO

; FILE REFERENCE: GNN-012CP

; CURRENT APPLICATION NUMBER: US/09/780,532

; CURRENT FILING DATE: 2001-02-09

; PRIOR APPLICATION NUMBER: 60/181,922

; PRIOR FILING DATE: 2000-02-11

; PRIOR APPLICATION NUMBER: 60/182,148

; PRIOR FILING DATE: 2000-02-14

; NUMBER OF SEQ ID NOS: 10

; SOFTWARE: PatentIn Ver. 2.0

? ID NO 3

; LENGTH: 1325

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (1)..(1269)

US-09-780-532-3

Alignment Scores:

Pred. No.: 1.14e-36 Length: 1325

Score: 424.00 Matches: 68

Percent Similarity: 71.20% Conservative: 21

Best Local Similarity: 54.40% Mismatches: 36

Query Match: 57.07% Indels: 0

DB: 10 Gaps: 0

US-09-695-369a-2_COPY_2_129 (1-128) x US-09-780-532-3 (1-1325)

QY 1 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 20

DB 97 GACTGTAGACAGCAGAAATTCAAGGATCGGTCTGGAACCTGTCTCCCTGCAACCACTGT 156

QY 21 GlyProGlnGlnLeuSerIysAspCysGlyTyrGlyGlnGlyGlyAspAlaTyrCys 40

DB 157 GGGCCAGCATGAGTGTCTTAAGGAATGTGGCTTCGGCTAAGGGGAGATGCACAGTGT 216

QY 41 ThrAlaCysProProArgArgTyrIlySerSerTrpGlyHisHisIlyCysGlnSerCys 60

DB 217 GTGACGTGCCGCGCTGCACAGGTTCAGAGAGAGACTGGGGCTTCCAGAAATGCAAGCCCTGT 276

QY 61 IleThrCysAlaValIleAsnArgValGlnIlyValAsnCysThrAlaThrSerAsnAla 80

DB 277 CTGACTGCGCAGAGTGTGAACCCGCTTTCAGAGAGCAAAATTGTTCAAGCCACAGTGTGCC 336

QY 81 ValCysGlyAspCysLeuProArgPheTyrArgIlyThrArgIleGlyGlyLeuGlnAsp 100

DB 337 ATCTGCGGGGACTGCTTGCACAGATTTTATAGGAAGACGAACCTTGTGGCTTTCAAGAC 396

QY 101 GlnGluCysIleProCysThrIlyGlnIhrProThrSerGluValGlnCysAlaPheGln 120

DB 397 ATGAGTGTGTGCTTGTGAGAACCTCTCTCTCTTACGAACCGACATGTGCCAGCAAG 456

QY 121 LeuSerLeuValGlu 125

DB 457 GTCAACCTCGTGAAG 471

RESULT 6

US-10-114-893-120

; Sequence 120, Application US/10114893

; Publication No. US20020193567A1

; GENERAL INFORMATION:

; APPLICANT: Jacobs, Kenneth

; APPLICANT: McCoy, John M.

; APPLICANT: Lavallie, Edward R.

; APPLICANT: Collins-Racie, Lisa A.

; APPLICANT: Evans, Cheryl

; APPLICANT: Werberg, David

; APPLICANT: Treacy, Maurice

; APPLICANT: Bowman, Michael R.

; APPLICANT: Spaulding, Vikki

; APPLICANT: Carlin-Duckett, McKeough

; APPLICANT: Kelleher, Kerry S.

; APPLICANT: Genetics Institute, Inc.

; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM

; FILE REFERENCE: GI 6000-10A

; CURRENT APPLICATION NUMBER: US/10/114,893

; CURRENT FILING DATE: 2002-04-02

; EARLIER APPLICATION NUMBER: 09/413,232

; EARLIER FILING DATE: 1999-10-06

; NUMBER OF SEQ ID NOS: 321

; SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 120

; LENGTH: 1502

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-114-893-120

Alignment Scores:

Pred. No.: 1.35e-36 Length: 1502

Score: 424.00 Matches: 68

Percent Similarity: 71.20% Conservative: 21

Best Local Similarity: 54.40% Mismatches: 36

Query Match: 57.07% Indels: 0

DB: 9 Gaps: 0

US-09-695-369a-2_COPY_2_129 (1-128) x US-10-114-893-120 (1-1502)

QY 1 AspCysGlnGlnAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 20

DB 147 GACTGTAGACAGCAGAAATTCAAGGATCGGTCTGGAACCTGTCTCCCTGCAACCACTGT 206

QY 21 GlyProGlnGlnLeuSerIysAspCysGlyTyrGlyGlnGlyGlyAspAlaTyrCys 40

DB 207 GGGCCAGCATGAGTGTCTTAAGGAATGTGGCTTCGGCTAAGGGGAGATGCACAGTGT 266

QY 41 ThrAlaCysProProArgArgTyrIlySerSerTrpGlyHisHisIlyCysGlnSerCys 60

DB 267 GTGACGTGCCGCGCTGCACAGGTTCAGAGAGAGACTGGGGCTTCCAGAAATGCAAGCCCTGT 326

QY 61 IleThrCysAlaValIleAsnArgValGlnIlyValAsnCysThrAlaThrSerAsnAla 80

DB 327 CTGACTGCGCAGTGTGAACCCGCTTTCAGAGAGCAAAATTGTTCAAGCCACAGTGTGCC 386

QY 81 ValCysGlyAspCysLeuProArgPheTyrArgIlyThrArgIleGlyGlyLeuGlnAsp 100

DB 387 ATCTGCGGGGACTGCTTGCACAGATTTTATAGGAAGACGAACCTTGTGGCTTTCAAGAC 446

QY 101 GlnGluCysIleProCysThrIlyGlnIhrProThrSerGluValGlnCysAlaPheGln 120

DB 447 ATGAGTGTGTGCTTGTGAGAACCTCTCTCTCTTACGAACCGACATGTGCCAGCAAG 506

QY 121 LeuSerLeuValGlu 125

DB 507 GTCAACCTCGTGAAG 521

RESULT 7

US-09-780-532-1

; Sequence 1, Application US/09780532

; Patent No. US20020068696A1

; GENERAL INFORMATION:

; APPLICANT: Wood, Clive

; APPLICANT: Chaudhary, Divya

; APPLICANT: Long, Andrew

; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO

; FILE REFERENCE: GNN-012CP

```
; CURRENT APPLICATION NUMBER: US/09/780,532
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1660
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1251)
; US-09-780-532-1
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Alignment Scores:
d. No.: 1.54e-36 Length: 1660
re: 424.00 Matches: 68
Percent Similarity: 71.208 Conservative: 21
Best Local Similarity: 54.408 Mismatches: 36
Query Match: 57.07% Indels: 0
DB: 10 Gaps: 0
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US-09-695-369a-2_COPY_2_129 (1-128) x US-09-780-532-1 (1-1660)

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QY 1 AspCysGlnGluAsnGlnTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 20
    |||||::: ||::: ||::: ||||| ||| ::|||
Db 97 GACTGTAGACAGCAAGAAATTCAGGAGTGGTCTGGAACCTGTGTTCCCTGCACACAGTGT 156

QY 21 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGluGlyGlyAspAlaTyrCys 40
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 157 GGGCCAGGCATGAGTGTCTAAGGAATGTGGCTTCGCTATGGGAGAGATGCAGTGT 216

QY 41 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 60
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 217 GTGACGTGCCGGCTGCACAGGTTCAAGAGAGACTGGGGCTTCAGAAATGCAGCCCTGT 276

QY 61 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 80
    ::||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 277 CTGACGTGCCAGTGGTGAACCGCTTTCAGAGCAAAATGTTCCAGCCACCAAGTATGCC 336

QY 81 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyLeuGlnAsp 100
    ::||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 337 ATCTGCCGGGACTGCTTGCCAGGATTTTATAGGAAGACGAAACTGTGCGCTTTCAGAAC 396

Db 101 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 120
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 397 ATGGAGTGTGTGCTGTGGAGACCTCTCTCTTACGAACCGCACTGTGCCAGCAAG 456

QY 121 LeuSerLeuValGlu 125
Db 457 GTCAACCTCGTGAAG 471
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RESULT 8

US-10-174-590-473

; Sequence 473, Application US/10174590

; Publication No. US20030008352A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME

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; FILE REFERENCE: P3430R1C42
; CURRENT APPLICATION NUMBER: US/10/174,590
; CURRENT FILING DATE: 2002-06-18
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo sapien
; US-10-174-590-473
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Alignment Scores:
Pred. No.: 3.18e-36 Length: 2870
Score: 424.00 Matches: 68
Percent Similarity: 71.208 Conservative: 21
Best Local Similarity: 54.408 Mismatches: 36
Query Match: 57.07% Indels: 0
DB: 9 Gaps: 0
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US-09-695-369a-2_COPY_2_129 (1-128) x US-10-174-590-473 (1-2870)

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QY 1 AspCysGlnGluAsnGlnTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 20
    |||||::: ||::: ||::: ||||| ||| ::|||
Db 281 GACTGTAGACAGCAAGAAATTCAGGAGTGGTCTGGAACCTGTGTTCCCTGCACACAGTGT 340

QY 21 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGluGlyGlyAspAlaTyrCys 40
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 341 GGGCCAGGCATGAGTGTCTAAGGAATGTGGCTTCGCTATGGGAGAGATGCACAGTGT 400

QY 41 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 60
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 401 GTGACGTGCCGGCTGCACAGGTTCAAGAGAGACTGGGGCTTCAGAAATGCAGCCCTGT 460

QY 61 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 80
    ::||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 461 CTGACGTGCCAGTGTGAACCGCTTTCAGAGCAAAATGTTTCAGCCACCAAGTATGCC 520

QY 81 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyLeuGlnAsp 100
    ::||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 521 ATCTGCCGGGACTGCTTGCCAGGATTTTATAGGAAGACGAAACTGTGCGCTTTCAGAAC 580

QY 101 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 120
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 581 ATGGAGTGTGTGCTGTGGAGACCTCTCTCTTACGAACCGCACTGTGCCAGCAAG 640

QY 121 LeuSerLeuValGlu 125
Db 641 GTCAACCTCGTGAAG 655
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RESULT 9

US-10-176-758-473

; Sequence 473, Application US/10176758

; Publication No. US20030008353A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME

; FILE REFERENCE: P3430R1C104

; CURRENT APPLICATION NUMBER: US/10/176,758

; CURRENT FILING DATE: 2002-06-21

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473


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; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-758-473

Alignment Scores:
Pred. No.: 3.18e-36
Score: 424.00
Percent Similarity: 71.20%
Best Local Similarity: 54.40%
Query Match: 57.07%
DB: 9

Length: 2870
Matches: 68
Conservative: 21
Mismatch: 36
Indels: 0
Gaps: 0

US-09-695-369a-2_COPY_2_129 (1-128) x US-10-176-758-473 (1-2870)

QY 1 AspCysGlnGlnuAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 20
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 281 GACTGTGACAGCAAGATTCAGGAGATCGCTCTGGAACACTGTGTCCTCCCTGCAACAGTGT 340

QY 21 GLYProGlyGlnGluLeuSerIysAspCysGlyTyrGlyGluGlyGlyAspAlaTyrCys 40
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
1 341 GGGCCAGGCATGAGTGTCTAAGGAATGTGGCTCGGCTATGGGAGAGATGCACAGTGT 400

QY 41 ThrAlaCysProProArgArgTyrIysSerSerTrpGlyHisIleLysCysGlnSerCys 60
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 401 GTGACGTGCCCGGCTGCACAGGTTCAAGGAGAGACTGGGGCTTCAGAAATGCAGACCCCTGT 460

QY 61 IleThrCysAlaValIleAsnArgValGlnIysValAsnCysThrAlaThrSerAsnAla 80
    ::|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 461 CTGGACTCGCAGTGTGTGAACCGCTTTCAGAAAGCAATTGTTCAGCCACCAAGTGTGCC 520

QY 81 ValCysGlyAspCysLeuProArgPheTyrArgIysThrArgIleGlyGlyLeuGlnAsp 100
    ::|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 521 ATCTGGGGGAGACTGCTGCCAGATTTTATAGGAAAGACGAACCTGTCCGCTTCAAGAC 580

QY 101 GlnGluCysIleProCysThrIysGlnThrProThrSerGluValGlnCysAlaPheGln 120
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 581 ATGAGTGTGTGCTGTGTGAGACCCCTCCTCCTTACGAAACCGCACTGTGCCAGCAAG 640

QY 121 LeuSerLeuValGlu 125
    ::|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 641 GTCAACCTCGTGAAG 655

RESULT 10
US-10-052-586-473
; Sequence 473, Application US/10052586
; Patent No. US20020127584A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C1
; CURRENT APPLICATION NUMBER: US/10/052,586
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
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; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063564
; PRIOR FILING DATE: 1997-10-28
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QY 21 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlnGlyAspAlaTyrCys 40
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Db 341 GGGCCAGGCAATGGAGTTGCTTAAGAAATGTGGCTTCGGCTATGGGGAGAGATGCACAGTGT 400
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QY 81 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyGlyLeuGlnAsp 100
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Db 521 ATCTGCGGGGACTGCTTGCCAGGATTTATAGGAAGACGAAACTTGTGCGCTTCAAGAC 580
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QY 121 LeuSerLeuValGln 125
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RESULT 11
US-09-782-980-25
; Sequence 25, Application US/09782980
; Patent No. US20020072089A1
; GENERAL INFORMATION:
; APPLICANT: Khodadoust, Mehran M.
; APPLICANT: MacBeth, Kyle J.
; APPLICANT: Busfield, Samantha J.

```

```

; APPLICANT: McCarthy, Sean A.
; APPLICANT: Holtzman, Douglas A.
; APPLICANT: Gu, Wei
; APPLICANT: White, David
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL ITALY, IOR-2, STRIFE, TRASH, BDSF, LRSG, AND
; TITLE OF INVENTION: STMTS PROTEIN AND NUCLEIC ACID MOLECULES AND USES
; FILE REFERENCE: MN1-121CP
; CURRENT APPLICATION NUMBER: US/09/782,980
; CURRENT FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/02125
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 09/448,076
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: 09/276,400
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: 60/117,580
; PRIOR FILING DATE: 1999-01-27
; PRIOR APPLICATION NUMBER: 09/014,195
; PRIOR FILING DATE: 1998-01-27
; PRIOR APPLICATION NUMBER: 09/014,348
; PRIOR FILING DATE: 1998-01-27
; PRIOR APPLICATION NUMBER: 09/086,892
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 09/296,208
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: 09/063,950
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 09/561,381
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 09/561,810
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 09/087,121
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 09/672,721
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: 09/049,799
; PRIOR FILING DATE: 1998-03-27
; NUMBER OF SEQ ID NOS: 176
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 25
; LENGTH: 555
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(555)
US_09-782-980-25

; Alignment Scores:
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Db      70 GGACCTGGCATGGAGTTGTCCAAGAATAgTGccttgcgtatggggagcatgcacactgt 129
QY      41 ThrAlaCysProProlargArGTyrtyrLysserSetrtprclYHisHISlysCysGlnSerCys 60
Db      130 GTGCCCTGCAGCGCACCGGTTCACAAGAAAGAGACTGGGGCTTCCAGAAAGTGAAGCATGT 189
QY      61 IleThnCysAlaValIleasnaryValGlnLySvalasncysthalaThrSeranaia 80
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; Sequence 24, Application US/09782980
; Patent No. US20020072089A1
; GENERAL INFORMATION:
; APPLICANT: Khodadoust, Mehran M.
; APPLICANT: Macbeth, Kyle J.
; APPLICANT: Busfield, Samantha J.
; APPLICANT: McCarthy, Sean A.
; APPLICANT: Holtzman, Douglas A.
; APPLICANT: Gu, Wei
; APPLICANT: White, David
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL ITALY, LOR-2, STRIFE, TRASH, BDSF, LRSG, AND
; TITLE OF INVENTION: STWST PROTEIN AND NUCLEIC ACID MOLECULES AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: MNI-121CP
; CURRENT APPLICATION NUMBER: US/09/782, 980
; CURRENT FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/02125
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 09/448, 076
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: 09/276, 400
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: 60/117, 580
; PRIOR FILING DATE: 1999-01-27
; PRIOR APPLICATION NUMBER: 09/014, 195
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; PRIOR FILING DATE: 2000-09-28
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; PRIOR FILING DATE: 1998-03-27
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; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNE AND TNER FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/877,156
; PRIORITY FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/286,529
; NUMBER OF SEQ ID NOS: 25
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; SEQ ID NO 8
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; ORGANISM: human
US-09-877-156-8

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US-09-695-369A-2_COPY_2_129 (1-128) x US-09-877-156-8 (1-893)

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US-09-782-980-22
? Sequence 22, Application US/09782980
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? APPLICANT: Khodadoust, Mehran M.
?
? APPLICANT: Macbeth, Kyle J.
?
? APPLICANT: Busfield, Samantha J.
?
? APPLICANT: McCarthy, Sean A.
?
? APPLICANT: Holtzman, Douglas A.
?
? APPLICANT: Gu, Wei
?
? APPLICANT: White, David
?
? APPLICANT: Pan, Yang
?
? TITLE OF INVENTION: NOVEL ITALY, LOR-2, STRIFE, TRASH, BDSF, LRSG, AND
? TITLE OF INVENTION: STMTS PROTEIN AND NUCLEIC ACID MOLECULES AND USES
? TITLE OF INVENTION: THEREFOR
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? FILE REFERENCE: MNT-121CP
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? CURRENT FILING DATE: 2001-02-13
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? PRIOR FILING DATE: 2000-01-27
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? PRIOR APPLICATION NUMBER: 09/049,799
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? PRIOR FILING DATE: 1998-03-27
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? NUMBER OF SEQ ID NOS: 176
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? SOFTWARE: PatentIn Ver. 2.0
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? SEQ ID NO 22

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Maximum Match 100%
Listing first 45 summaries

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-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

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7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
9: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
10: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
11: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
12: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	936	95.5	932	10	US-09-840-795-18 Sequence 18, Appl
2	933	95.2	905	9	US-10-119-466-11 Sequence 11, Appl
3	495	50.5	546	10	US-09-840-795-16 Sequence 16, Appl
4	471.5	48.1	474	10	US-09-840-795-14 Sequence 14, Appl

5	444.5	45.4	893	10	US-09-877-156-8 Sequence 8, Appl
6	443.5	45.3	1325	10	US-09-780-532-3 Sequence 3, Appl
7	443.5	45.3	1502	9	US-10-114-893-120 Sequence 120, App
8	443.5	45.3	1660	10	US-09-780-532-1 Sequence 1, Appl
9	443.5	45.3	2870	9	US-10-174-590-473 Sequence 473, App
10	443.5	45.3	2870	9	US-10-176-758-473 Sequence 473, App
11	443.5	45.3	2870	12	US-10-052-586-473 Sequence 473, App
12	437.5	44.6	555	10	US-09-782-980-25 Sequence 25, Appl
13	437.5	44.6	642	10	US-09-782-980-24 Sequence 24, Appl
14	437.5	44.6	981	10	US-09-782-980-22 Sequence 22, Appl
15	437.5	44.6	1914	10	US-09-782-980-22 Sequence 22, Appl
16	406	41.4	363	10	US-09-782-980-29 Sequence 29, Appl
17	406	41.4	450	10	US-09-782-980-28 Sequence 28, Appl
18	406	41.4	623	10	US-09-877-156-9 Sequence 9, Appl
19	406	41.4	636	10	US-09-840-795-12 Sequence 12, Appl
20	406	41.4	655	10	US-09-782-980-26 Sequence 26, Appl
21	388	39.6	292	9	US-10-119-466-4 Sequence 4, Appl
22	142	14.5	4622	10	US-09-924-231-6 Sequence 6, Appl
23	141	14.4	831	10	US-09-934-289A-43 Sequence 43, Appl
24	141	14.4	1834	10	US-09-934-289A-41 Sequence 41, Appl
25	140.5	14.3	1290	10	US-09-057-951-3 Sequence 3, Appl
26	140.5	14.3	1290	12	US-10-105-150-3 Sequence 1, Appl
27	140.5	14.3	2570	10	US-09-057-951-1 Sequence 1, Appl
28	140.5	14.3	2570	12	US-10-105-150-1 Sequence 1, Appl
29	140.5	14.3	2703	10	US-09-836-607-1 Sequence 1, Appl
30	139.5	14.2	1704	12	US-10-020-787-1 Sequence 1, Appl
31	139.5	14.2	1724	10	US-09-924-231-1 Sequence 1, Appl
32	139.5	14.2	1724	10	US-09-934-289A-14 Sequence 14, Appl
33	134	13.7	2313	10	US-09-934-289A-29 Sequence 29, Appl
34	133.5	13.6	1301	10	US-09-756-186-7 Sequence 7, Appl
35	132.5	13.5	1878	9	US-09-877-650-14 Sequence 14, Appl
36	132.5	13.5	1878	10	US-09-871-856-14 Sequence 1, Appl
37	132.5	13.5	1929	10	US-09-934-289A-1 Sequence 1, Appl
38	132	13.5	705	10	US-09-907-263-3 Sequence 3, Appl
39	132	13.5	1641	10	US-09-758-124-1 Sequence 1, Appl
40	132	13.5	2224	10	US-09-800-909-1 Sequence 1, Appl
41	132	13.5	2224	10	US-09-800-908-2 Sequence 2, Appl
42	132	13.5	3683	10	US-09-954-456-1187 Sequence 1187, Ap
43	131	13.4	558	10	US-09-934-289A-31 Sequence 31, Appl
44	131	13.4	579	10	US-09-934-289A-3 Sequence 3, Appl
45	131	13.4	591	10	US-09-934-289A-19 Sequence 19, Appl

ALIGNMENTS

RESULT 1
US-09-840-795-18
; Sequence 18, Application US/09840795
; Patent No. US20020143147A1
; GENERAL INFORMATION:
; APPLICANT: Murphy, Erin E.
; APPLICANT: Mattson, Jeanine D.
; APPLICANT: Bates, Elizabeth Esther Mary
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Lebecque, Serge J.E.
; TITLE OF INVENTION: Mammalian Genes; Related Reagents
; FILE REFERENCE: SF0818K
; CURRENT APPLICATION NUMBER: US/09/840,795
; CURRENT FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: 09/351,777
; PRIOR FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 18
; LENGTH: 932
; TYPE: DNA
; ORGANISM: primate
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (78)..(770)
; NAME/KEY: misc_feature
; LOCATION: (782)
; OTHER INFORMATION: n; may be A, C, G, or T

US-09-840-795-18

Alignment Scores:

Pred. No.:	1.7e-89	Length:	932
Score:	936.00	Matches:	173
Percent Similarity:	84.80%	Conservative:	0
Best Local Similarity:	84.80%	Mismatches:	0
Query Match:	95.51%	Indels:	31
DB:	10	Gaps:	1

US-09-695-369a-38 (1-173) x US-09-840-795-18 (1-932)

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QY 1 MetAspCysGlnGlnuAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArg 20
    |||||||
DB 78 ATGCATTGCCAAGAAAATGAGTACTGGAGCAATGGGACGGTGTGCTACCTGCCAACGG 137

QY 21 CysGlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlyGlyAspAlaTyr 40
    |||||||
DB 138 TGTGCTCTGGACAGAGAGCTATCCAAAGATTGTGTTATGAGAGGGTGGAGATGCTTAC 197

QY 41 CysThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSer 60
    |||||||
L 198 TGCACAGCCTGCCCTCCTCGCAGGTACAAAAGCAGCTGGGGCCACCACAAATGTCAAGT 257

QY 61 CysIleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsn 80
    |||||||
DB 258 TGCATCACCTGTGCTGTCAATCATCGTGTTCAGAGGTCACTGCACAGCTACCTCTAAT 317

QY 81 AlaValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyGlyLeuGln 100
    |||||||
DB 318 GCTGTCTGTGGGAGCTGTGTGCCCAAGTTCTACCGAAGACACGCAATGGAGCCCTGCAG 377

QY 101 AspGlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPhe 120
    |||||||
DB 378 GACCAAGAGTGCATCCCGTGCACGAAAGCAGACCCCACTCTGAGTTCAATGTGCTTC 437

QY 121 GlnLeuSerLeuValGluAlaAspAlaProThrValProProGlnGluAlaThrLeuVal 140
    |||||||
DB 438 CAGTTGAGCTTAGTGAGGAGATGCACCCACAGTGCCTCAGAGGCCACACTGTGT 497

QY 141 AlaLeu-----142
    |||||||
DB 498 GCACTGTGAGCAGCCTGCTAGTGTGTTTAACTGGCCTTCCTGGGCTCTCTTCCTC 557

QY 143 -----GluValCysCysSerLeuArgle 150
    |||||||
DB 558 TACTGCAAGCAGTTCTTCAACAGACATGGCCAGCGTGGAGGTTTCTCTGCAAGTTGAGGCT 617

QY 150 uIleLysGlnGlnArgArgAsnLeuSerSerProCysHisProAlaArgProValle 170
    |||||||
D 618 GATAAAACAGCAAGAGAGAAATCTCTTCCCGTGCACCCAGCAGAGAGAGACCACTGTGCT 677

QY 170 uSerProLys 173
    |||||||
DB 678 GAGTCCCAAG 687
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RESULT 2

US-10-119-466-11

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; Sequence 11, Application US/10119466
; Patent No. US20020168674A1
; GENERAL INFORMATION:
; APPLICANT: Chui, Clarissa
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Milton, Sean
; APPLICANT: Yan, Minhong
; APPLICANT: Yi, Sohy
; TITLE OF INVENTION: CLONING METHOD
; FILE REFERENCE: P1797
; CURRENT APPLICATION NUMBER: US/10/119,466
; PRIOR APPLICATION NUMBER: US/09/480,782
; PRIOR FILING DATE: 2000-01-10
; NUMBER OF SEQ ID NOS: 12
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; SEQ ID NO 11
; LENGTH: 905
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: Homo sapiens
; LOCATION: 1-905
; OTHER INFORMATION: Sequence source: ORF position 4 - 903 bp
US-10-119-466-11
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Alignment Scores:

Pred. No.:	3.37e-89	Length:	905
Score:	933.00	Matches:	172
Percent Similarity:	83.98%	Conservative:	1
Best Local Similarity:	83.50%	Mismatches:	0
Query Match:	95.20%	Indels:	33
DB:	9	Gaps:	1

US-09-695-369a-38 (1-173) x US-10-119-466-11 (1-905)

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QY 1 MetAspCysGlnGlnuAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArg 20
    |||||||
DB 4 ATGCATTGCCAAGAAAATGAGTACTGGAGCAATGGGACGGTGTGCTACCTGCCAACGG 63

QY 21 CysGlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlyGlyAspAlaTyr 40
    |||||||
DB 64 TGTGCTCTGGACAGAGAGCTATCCAAAGATTGTGTTATGAGAGGGTGGAGATGCTTAC 123

QY 41 CysThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSer 60
    |||||||
DB 124 TGCACAGCCTGCCCTCCTCGCAGGTACAAAAGCAGCTGGGGCCACCACAGATGTCAAGT 183

QY 61 CysIleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsn 80
    |||||||
DB 184 TGCATCACCTGTGCTGTCAATCATCGTGTTCAGAGGTCAACTGCACAGCTACCTCTAAT 243

QY 81 AlaValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyGlyLeuGln 100
    |||||||
DB 244 GCTGTCTGTGGGAGCTGTGTGCCAGTTCTACCGAAGACACGCAATGGAGCCCTGCAG 303

QY 101 AspGlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPhe 120
    |||||||
DB 304 GACCAAGAGTGCATCCCGTGCACGAAAGCAGACCCCACTCTGAGTTCAATGTGCTTC 363

QY 121 GlnLeuSerLeuValGluAlaAspAlaProThrValProProGlnGluAlaThrLeuVal 140
    |||||||
DB 364 CAGTTGAGCTTAGTGAGGAGAGATGCACCCAGATGCCCTCAGAGAGGCCACACTGTGT 423

QY 141 AlaLeu-----142
    |||||||
DB 424 GCACTGTGAGCAGCCTGCTAGTGTGTTTAACTGGCCTTCCTGGGCTCTCTTCCTC 483

QY 143 -----GluValCysCysSerie 148
    |||||||
DB 484 TACTGCAAGCAGTTCTTCAACAGACATGGCCAGCGTGTACAGAGGTTTGCCTGCAGTTT 543

QY 148 uArgLeuIleLysGlnGlnArgArgAsnLeuSerSerProCysHisProAlaArgArgPr 168
    |||||||
DB 544 GAGGCTGATAAAACAGCAAGAGAGAAATCTCTTCCCGTGCACCCAGCAGAGAGACC 603

QY 168 oValLeuSerProLys 173
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DB 604 AGTGTGAGTCCCAAG 619
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RESULT 3

US-09-840-795-16

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; Sequence 16, Application US/09840795
; Patent No. US20020143147A1
; GENERAL INFORMATION:
; APPLICANT: Murphy, Erin E.
; APPLICANT: Mattson, Jeanine D.
; APPLICANT: Bates, Elizabeth Esther Mary
; APPLICANT: Gorman, Daniel M.
```

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; APPLICANT: Lebecque, Serge J.E.
; TITLE OF INVENTION: Mammalian Genes; Related Reagents
; FILE REFERENCE: SF0818K
; CURRENT APPLICATION NUMBER: US/09/840,795
; CURRENT FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: 09/351,777
; PRIOR FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
; LENGTH: 546
; TYPE: DNA
; ORGANISM: primate
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (78)..(308)
; NAME/KEY: misc_feature
; LOCATION: (317)
; OTHER INFORMATION: n; may be A, C, G, or T
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; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (351)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (389)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (398)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (428)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (429)
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; NAME/KEY: misc_feature
; LOCATION: (433)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (452)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (468)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (483)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (534)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (541)
; OTHER INFORMATION: n; may be A, C, G, or T
; OTHER INFORMATION: n; may be A, C, G, or T
US-09-840-795-16

Alignment Scores:
Pred. No.: 1.56e-43 Length: 546
Score: 495.00 Matches: 96
Percent Similarity: 70.92% Conservative: 4
Best Local Similarity: 68.09% Mismatches: 31
Query Match: 50.51% Indels: 10
DB: 10 Gaps: 3

US-09-695-369a-38 (1-173) x US-09-840-795-16 (1-546)
QY 1 MetAspCysGlnGluAsnGlnTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArg 20
Db 78 ATGATGTCCAGAAAGATGAGTACTGGGACCAATGGGACGGTGTGTCACTGCCACGG 137
QY 21 CysGlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlnGluGlyAspAlaTyr 40

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Db 138 TGTGTCCTGGACAGAGACTATCCAGGATGTGTTATGGAGAGGGTGAGATGCCCTAC 197
QY 41 CysThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSer 60
Db 198 TGCACAGCCTGCCCTCCTCCGAGGTACAAAAGCAGCTGGGGCCACCACCAATGTCAAGT 257
QY 61 CysIleThrCysAlaValIleAsnArgValGlnLysVal-AsnCysThrAla-ThrSerA 80
Db 258 TGCATCACCTGTGCTGTCATCATGCTGTTCAGAGGTCACAGCTGCACTAACCTCTN 317
QY 80 snAlaValCysGlyAspCysLeuProArgPheTyrArgLysThr-----ArgI 96
Db 318 ATGCTGTCTGTGGGATGTTTGNCCCAAGTCTTNACCAGAAAGACACGCCATGGGAAGGC 377
QY 96 leGlyGlyLeuGlnAspGlnGluCysIleProCysThrLysGlnThrPro-----ThrS 114
Db 378 TGGCAGGA-----CCANGAATGGCCNTCCCGTGGCAGAGACCCAGACCCCAACNNCT 431
QY 114 erGluValGlnCysAlaPheGlnLeuSerLeuValGluAlaAspAlaProThrValPro 133
Db 432 GNAAGTTCCAAATGTGGCCTTNCCTATTGGAAGCTTANTGGGAAGCAGATGNCACCCA 490

RESULT 4
US-09-840-795-14
; Sequence 14, Application US/09840795
; Patent No. US20020143147A1
; GENERAL INFORMATION:
; APPLICANT: Murphy, Erin E.
; APPLICANT: Mattson, Jeanine D.
; APPLICANT: Bates, Elizabeth Esther Mary
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Lebecque, Serge J.E.
; TITLE OF INVENTION: Mammalian Genes; Related Reagents
; FILE REFERENCE: SF0818K
; CURRENT APPLICATION NUMBER: US/09/840,795
; CURRENT FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: 09/351,777
; PRIOR FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14
; LENGTH: 474
; TYPE: DNA
; ORGANISM: primate
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (78)..(473)
; NAME/KEY: misc_feature
; LOCATION: (308)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (315)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (333)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (412)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (431)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (436)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (444)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (473)
; OTHER INFORMATION: n; may be A, C, G, or T
US-09-840-795-14

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Alignment Scores:
 Pred. No.: 3.77e-41 Length: 474
 Score: 471.50 Matches: 100
 Percent Similarity: 80.15% Conservative: 5
 Best Local Similarity: 76.34% Mismatches: 19
 Query Match: 48.11% Indels: 8
 DB: 10 Gaps: 3

US-09-695-369A-38 (1-173) x US-09-840-795-14 (1-474)

QY 1 MetaspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArg 20
 Db ATGATTCGCAAGAAATGAGTACTGGGACCAATGGGGAGCGGTGTCTCACCCTGCCAAGCG 137
 QY 21 CysGlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGluGlyGlyAspAlaTyr 40
 Db TGTGTCTGACAGAGAGCTATCCAGATTGTGTATGGAGAGGGGTGAGATGCTTAC 197
 QY 41 CysThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSer 60
 Db TGCACAGCCTGCCCTCTCCGAG-TACAAAAGCAGCTGGGGCCACCAAAATGTCAGAGT 256
 QY 61 CysIleThrCysAlaValIleAsnArgValGlnLysVal-AsnCysThrAlaThrSerAs 80
 Db TGCATCACCTGTGTCTCATCAATCGTGTCAAGAGTTCACAGTACAGTACCTCTTA 316
 QY 80 nAlaValCysGlyAspCys-LeuProArgPheTyr--ArgLysThrArgIleGly-Gly 98
 Db TGTGTCTGTGGGGGANGTTGCCCAAGTTTCTTAACCGAAGACACACCCATTGGAAGGC 376
 QY 99 LeuGlnAspGln-GluCysIleProCysThrLys--GlnThrProThrSerGlu--Va 116
 Db TGCACAGACCAAGAGTGGCATCCCGTGGCACAAGNCAGACCCCAACTCTTGANGTTN 436
 QY 116 LglnCysAlaPheGlnLeuSerLeu 124
 Db CAAAGTGNCTTCCCAATTGGAGCTT 461

RESULT 5
 US-09-877-156-8
 ; Sequence 8, Application US/09877156
 ; Patent No. US20020055625A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Catherine Tribouley
 ; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
 ; FILE REFERENCE: 1408.003/200130.439C1
 ; CURRENT APPLICATION NUMBER: US/09/877,156
 ; CURRENT FILING DATE: 2001-06-08
 ; PRIOR APPLICATION NUMBER: US 09/286,529
 ; PRIOR FILING DATE: 1998-04-05
 ; ABER OF SEQ ID NOS: 25
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 8
 ; LENGTH: 893
 ; TYPE: DNA
 ; ORGANISM: human
 US-09-877-156-8

Alignment Scores:
 Pred. No.: 6.14e-38 Length: 893
 Score: 444.50 Matches: 77
 Percent Similarity: 60.11% Conservative: 30
 Best Local Similarity: 43.26% Mismatches: 56
 Query Match: 45.36% Indels: 15
 DB: 10 Gaps: 2

US-09-695-369A-38 (1-173) x US-09-877-156-8 (1-893)

QY 2 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21
 Db 151 GATTCAGGACAGCAGGAATTCAGATGATCTGGAAGTGTGCTCTCTGCAACAGTGC 210
 QY 22 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGluGlyGlyAspAlaTyrCys 41

Db 211 GGACCTGGCATGAGATTGTCCAAAGAAATGTGGCTTCGGCTATGGGGAGGATGACAGTGT 270
 QY 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61
 Db GTGCCCTGCAGGCCGACCGGTTCAGAGAGAGAGAGTGGGTTTCCAGAAAGTTCAGACCATGT 330
 QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
 Db GCGAGCTGTGCGGTGTGTAACCGCTTTCAGAGGGCCCACTGCTCACACACAGATGATGCT 390
 QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyGlyLeuGlnAsp 101
 Db GTCTGGGGGAGCTGCTCCAGGATTTTACCGGAGAACCAACTGTTGTTTCAAGAC 450
 QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
 Db ATGGAGTGTGTGCTGCGGAGACCCACCTCTCCCTACGAAACACACACTGTACAGCAAG 510
 QY 122 LeuSerLeuValGluAlaAspAlaProThrValProProGlnGluAlaThrLeuValAla 141
 Db GTGAACCTTGTGAAGATCTCTCCACCGTCTCCAGCCCTCGGGAC--ACGGCGGTGCT 567
 QY 142 LeuGluValCysCysSerLeuArgLeuIle----- 151
 Db GCCGTGATCTGCAAGTGTCTGCGCACAGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 627
 QY 152 -----LysGlnGlnArgArgAsnLeuSerSerProCysHisProAla 165
 Db ACTGCAAGAGGAGTTCATGAGAGAAACCAAGCTGTAACTCCATCCCTCT 681
 RESULT 6
 US-09-780-532-3
 ; Sequence 3, Application US/09780532
 ; Patent No. US2002008696A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wood, Clive
 ; APPLICANT: Chaudhary, Divya
 ; APPLICANT: Long, Andrew
 ; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
 ; FILE REFERENCE: GNN-012CP
 ; CURRENT APPLICATION NUMBER: US/09/780,532
 ; CURRENT FILING DATE: 2001-02-09
 ; PRIOR APPLICATION NUMBER: 60/181,922
 ; PRIOR FILING DATE: 2000-02-11
 ; PRIOR APPLICATION NUMBER: 60/182,148
 ; PRIOR FILING DATE: 2000-02-14
 ; NUMBER OF SEQ ID NOS: 10
 ; SOFTWARE: Patentln Ver. 2.0
 ; SEQ ID NO 3
 ; LENGTH: 1325
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (1)..(1269)
 US-09-780-532-3

Alignment Scores:
 Pred. No.: 1.34e-37 Length: 1325
 Score: 443.50 Matches: 73
 Percent Similarity: 67.33% Conservative: 28
 Best Local Similarity: 48.67% Mismatches: 48
 Query Match: 45.26% Indels: 1
 DB: 10 Gaps: 1

US-09-695-369A-38 (1-173) x US-09-780-532-3 (1-1325)

QY 2 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21
 Db 97 GACTGTAGACAGCAGGAATTCAGAGGATCGGTCTGGAAGTGTGCTCTCCCTGCAACAGTGT 156
 QY 22 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGluGlyGlyAspAlaTyrCys 41

Db 157 GGGCCAGCATGAGATTCTCTAAGAAATGTGGCTTCGGCTATAGGGAGAGATGCACAGTGT 216
QY 42 ThrAlaCysProProArgArgTyrTrpAspGlnThrCysValThrCysGlnArgCys 61
Db 217 GTGACGTGCCGGCTGCACAGGTTCAAGAGAGGACTGGGGCTTCACAGAAATGCACAGCCCTGT 276
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
Db 277 CTGAGCTGCCAGTGTGTAACCGCTTCAGAAAGGCAATGTTCAGCCACAGATGATGCC 336
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyLysLeuGlnAsp 101
Db 337 ATCTGCGGGAGACTGCTTGCCAGGATTTATAGGAAGACGAACCTGTGCGCTTCAAGAC 396
QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
Db 397 ATGGAGTGTGTGCTTGTGGAGACCCCTCCTCCTTACGAACCGCACTGTGCCAGCAAG 456
QY 122 LeuSerLeuValGluAlaAspAlaProThrValProProGlnGluAlaThrLeuValAla 141
Db 457 GTCAACCTCGTGAAGATCGCGTCCACGGCCCTCCAGCCCAAGGAGACGGCGCTGGCTGCC 516
QY 142 LeuGluValCysCysSerLeuArgLeuIle 151
Db 517 GTT--ATCTGCAGCGCTCTGCCACCGTC 543

RESULT 7

US-10-114-893-120
; Sequence 120, Application US/10114893
; Publication No. US20020193567A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
; APPLICANT: Lavallie, Edward R.
; APPLICANT: Collins-Racie, Lisa A.
; APPLICANT: Evans, Cheryl
; APPLICANT: Metberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Bowman, Michael R.
; APPLICANT: Spaulding, Vikki
; APPLICANT: Carlin-Duckett, McKeough
; APPLICANT: Kelleher, Kerry S.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: GI 6000-10A
; CURRENT APPLICATION NUMBER: US/10/114, 893
; JRRRNT FILING DATE: 2002-04-02
; EARLIER APPLICATION NUMBER: 09/413, 232
; EARLIER FILING DATE: 1999-10-06
; NUMBER OF SEQ ID NOS: 321
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 120
; LENGTH: 1502
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-114-893-120

Alignment Scores:

Pred. No.: 1.6e-37 Length: 1502
Score: 443.50 Matches: 73
Percent Similarity: 67.33% Conservative: 28
Best Local Similarity: 48.67% Mismatches: 48
Query Match: 45.26% Indels: 1
DB: 9 Gaps: 1

US-09-695-369A-38 (1-173) x US-10-114-893-120 (1-1502)

QY 2 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21
Db 147 GACTGTAGACAGCAAGAAATTCAGGATCGGTCTGAAACTGTGTTCCTCGCAACCAAGTGT 206
QY 22 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlnGlyGlyAspAlaTyrCys 41

Db 207 GGGCCAGCATGAGATTGTCTAAGAAATGTGGCTTCGGCTATAGGGAGAGATGCACAGTGT 266
QY 42 ThrAlaCysProProArgArgTyrTrpAspGlnThrCysValThrCysGlnArgCys 61
Db 267 GTGACGTGCCGGCTGCACAGGTTCAAGAGAGGACTGGGGCTTCACAGAAATGCACAGCCCTGT 326
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
Db 327 CTGAGCTGCCAGTGTGTAACCGCTTTCAGAAAGGCAATGTTCAGCCACAGATGATGCC 386
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyLysLeuGlnAsp 101
Db 387 ATCTGCGGGAGACTGCTTGCCAGGATTTATAGGAAGACGAACCACTGTGCGCTTCAAGAC 446
QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
Db 447 ATGGAGTGTGTGCTTGTGGAGACCCCTCCTCCTTACGAACCGCACTGTGCCAGCAAG 506
QY 122 LeuSerLeuValGluAlaAspAlaProThrValProProGlnGluAlaThrLeuValAla 141
Db 507 GTCAACCTCGTGAAGATCGCGTCCACGGCCCTCCAGCCCAAGGAGACGGCGCTGGCTGCC 566
QY 142 LeuGluValCysCysSerLeuArgLeuIle 151
Db 567 GTT--ATCTGCAGCGCTCTGCCACCGTC 593

RESULT 8

US-09-780-532-1
; Sequence 1, Application US/09780532
; Patent No. US20020068696A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNN-012CP
; CURRENT APPLICATION NUMBER: US/09/780, 532
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181, 922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182, 148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1660
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1251)
US-09-780-532-1

Alignment Scores:

Pred. No.: 1.83e-37 Length: 1660
Score: 443.50 Matches: 73
Percent Similarity: 67.33% Conservative: 28
Best Local Similarity: 48.67% Mismatches: 48
Query Match: 45.26% Indels: 1
DB: 10 Gaps: 1

US-09-695-369A-38 (1-173) x US-09-780-532-1 (1-1660)

QY 2 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21
Db 97 GACTGTAGACAGCAAGAAATTCAGGATCGGTCTGAAACTGTGTTCCTCGCAACCAAGTGT 156
QY 22 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlnGlyGlyAspAlaTyrCys 41
Db 157 GGGCCAGCATGAGATTGTCTAAGGAATGTGCTTCGGCTATAGGGAGAGATGCACAGTGT 216
QY 42 ThrAlaCysProProArgArgTyrTrpAspGlnThrCysValThrCysGlnArgCys 61

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Db 217 GTGACGTGCCGGCTGCACAGCTTCAAGAGGACTGGGGCTTCCAGAAATGCACAGCCCTGT 276
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
Db 277 CTGGACTGCCGAGTGTGTGAACCGCTTTCAAGAGGCAAAATTGTTCAGCCACCAAGTGAGCC 336
QY 82 ValCysGlyAspCysLeuProArgPheThrArgLysThrArgIleGlyLeuGlnAsp 101
Db 337 ATCTGGGGGACTGCTTGCCAGCATTTTATAGGAAGCAAACTGTTCGGCTTTCAGAGAC 396
QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
Db 397 ATGAGTGTGTGCTGTGTGGAGACCCCTCCTCCTTACGAACCGCACTGTGCCAGCAAG 456
QY 122 LeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuValAla 141
Db 457 GTCAACCTCGTGAAGATGCGCTCCACGGCCTCCAGCCACGGGACACGGCGCTGGCTGCC 516
QY 142 LeuGluValCysCysSerLeuArgLeuIle 151
D 517 GTT--ATCTGCAGCGCTCTGGCCACCGTC 543
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RESULT 9

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US-10-174-590-473
; Sequence 473, Application US/10174590
; Publication No. US20030008352A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C142
; CURRENT APPLICATION NUMBER: US/10/174,590
; CURRENT FILING DATE: 2002-06-18
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
; -174-590-473
```

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Alignment Scores:
Pred. No.: 3.89e-37 Length: 2870
Score: 443.50 Matches: 73
Percent Similarity: 67.33% Conservative: 28
Best Local Similarity: 48.67% Mismatches: 48
Query Match: 45.26% Indels: 1
DB: 9 Gaps: 1
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US-09-695-369a-38 (1-173) x US-10-174-590-473 (1-2870)

```
QY 2 AspCysGlnGlnuAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21
Db 281 GACTGTAGACAGCAAGAATTCAGGATCGGTCGTGGAACGTGTCTCCCTGCACACCAAGTGT 340
QY 22 GlyProGlnGlnuLeuSerLysAspCysGlyTyrGlyGlnGlyGlyAspAlaTyrCys 41
Db 341 GGGCCAGGCATGAGTGTCTAAGGAATGTGGCTTCGGCTATGGGAGGATGCACAGTGT 400
QY 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61
Db 401 GTGACGTGCCCGCTGCACAGCTTCAAGAGGACTGGGGCTTCCAGAAATGCACAGCCCTGT 460
```

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QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
Db 461 CTGACTGCGCAGTGTGTGAACCGCTTTCAGAGGCAAAATTGTTCAGCCACCAAGTGATGCC 520
QY 82 ValCysGlyAspCysLeuProArgPheThrArgLysThrArgIleGlyLeuGlnAsp 101
Db 521 ATCTGGGGGACTGCTTGCCAGCATTTTATAGGAAGCAAACTGTTCGGCTTTCAGAGAC 580
QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
Db 581 ATGAGTGTGTGCTGTGTGGAGACCCCTCCTCCTTACGAACCGCACTGTGCCAGCAAG 640
QY 122 LeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuValAla 141
Db 641 GTCAACCTCGTGAAGATGCGCTCCACGGCCTCCAGCCACGGGACACGGCGCTGGCTGCC 700
QY 142 LeuGluValCysCysSerLeuArgLeuIle 151
Db 701 GTT--ATCTGCAGCGCTCTGGCCACCGTC 727
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RESULT 10

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US-10-176-758-473
; Sequence 473, Application US/10176758
; Publication No. US20030008353A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C104
; CURRENT APPLICATION NUMBER: US/10/176,758
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-10-176-758-473
```

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Alignment Scores:
Pred. No.: 3.89e-37 Length: 2870
Score: 443.50 Matches: 73
Percent Similarity: 67.33% Conservative: 28
Best Local Similarity: 48.67% Mismatches: 48
Query Match: 45.26% Indels: 1
DB: 9 Gaps: 1
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US-09-695-369a-38 (1-173) x US-10-176-758-473 (1-2870)

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QY 2 AspCysGlnGlnuAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21
Db 281 GACTGTAGACAGCAAGAATTCAGGATCGGTCGTGGAACGTGTCTCCCTGCACACCAAGTGT 340
QY 22 GlyProGlnGlnuLeuSerLysAspCysGlyTyrGlyGlnGlyGlyAspAlaTyrCys 41
Db 341 GGGCCAGGCATGAGTGTCTAAGGAATGTGGCTTCGGCTATGGGAGGATGCACAGTGT 400
QY 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61
Db 401 GTGACGTGCCCGCTGCACAGCTTCAAGAGGACTGGGGCTTCCAGAAATGCACAGCCCTGT 460
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
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Db      461 CTGACTGCGAGTGTGTAACGCTTTACAGAGCAAAATTTTCAGCCACCACTGATGCG 520
QY      82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyLeuGlnasp 101
      521 ATGTGCGGGGACTGCTTGCCAGAGATTTATAGGAAGACGAACCTGTGCGCTTTCAGAG 580
QY      102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
      581 ATGAGTGTGTGCTTGTGTGAGACCCCTCTCTCTCTTACGACCGCACTGTGCGCAGAG 640
QY      122 LeuSerLeuValGluAlaAspAlaProThrValProProGlnGluAlaThrLeuValAla 141
      641 GTCAACCTGCTGAAGATCGCGCTCCAGCGCTCCAGCCGCGGACACGCGCTGCGTGC 700
QY      142 LeuGluValCysCysSerLeuArgLeuIle 151
Db      701 GTT---ATCTGACGCGCTCTGCGCCACCGTC 727

+ ,LT 11
US-10-052-586-473
; Sequence 473, Application US/10052586
; Patent No. US20020127584A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C1
; CURRENT APPLICATION NUMBER: US/10/052,586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063564
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063734
; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/063870
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066120
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/066466
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/066772

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; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/069335
; PRIOR FILING DATE: 1997-12-11
; PRIOR APPLICATION NUMBER: 60/069425
; PRIOR FILING DATE: 1997-12-12
; PRIOR APPLICATION NUMBER: 60/069870
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/068017
; PRIOR FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/078886
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078939
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079664
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079786
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/080107
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080194
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080327
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080333
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/081049
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081070
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081195
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081838
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082568
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082569
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082704
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082797
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/083495
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083496
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083499
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083559
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15

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1	PRIOR APPLICATION NUMBER: 60/085582
2	PRIOR FILING DATE: 1998-05-15
3	PRIOR APPLICATION NUMBER: 60/085700
4	PRIOR FILING DATE: 1998-05-15
5	PRIOR APPLICATION NUMBER: 60/086023
6	PRIOR FILING DATE: 1998-05-18
7	PRIOR APPLICATION NUMBER: 60/086392
8	PRIOR FILING DATE: 1998-05-22
9	PRIOR APPLICATION NUMBER: 60/086486
10	PRIOR FILING DATE: 1998-05-22
11	PRIOR APPLICATION NUMBER: 60/087098
12	PRIOR FILING DATE: 1998-05-28
13	PRIOR APPLICATION NUMBER: 60/087208
14	PRIOR FILING DATE: 1998-05-28
15	PRIOR APPLICATION NUMBER: 60/087609
16	PRIOR FILING DATE: 1998-06-02
17	PRIOR APPLICATION NUMBER: 60/087759
18	PRIOR FILING DATE: 1998-06-02
19	PRIOR APPLICATION NUMBER: 60/087827
20	PRIOR FILING DATE: 1998-06-03
21	PRIOR APPLICATION NUMBER: 60/088025
22	PRIOR FILING DATE: 1998-06-04
23	PRIOR APPLICATION NUMBER: 60/088028
24	PRIOR FILING DATE: 1998-06-04
25	PRIOR APPLICATION NUMBER: 60/088029
26	PRIOR FILING DATE: 1998-06-04
27	PRIOR APPLICATION NUMBER: 60/088033
28	PRIOR FILING DATE: 1998-06-04
29	PRIOR APPLICATION NUMBER: 60/088167
30	PRIOR FILING DATE: 1998-06-05
31	PRIOR APPLICATION NUMBER: 60/088202
32	PRIOR FILING DATE: 1998-06-05
33	PRIOR APPLICATION NUMBER: 60/088212
34	PRIOR FILING DATE: 1998-06-05
35	PRIOR APPLICATION NUMBER: 60/088217
36	PRIOR FILING DATE: 1998-06-05
37	PRIOR APPLICATION NUMBER: 60/088326
38	PRIOR FILING DATE: 1998-06-04
39	PRIOR APPLICATION NUMBER: 60/088655
40	PRIOR FILING DATE: 1998-06-09
41	PRIOR APPLICATION NUMBER: 60/088722
42	PRIOR FILING DATE: 1998-06-10
43	PRIOR APPLICATION NUMBER: 60/088738
44	PRIOR FILING DATE: 1998-06-10
45	PRIOR APPLICATION NUMBER: 60/088740
46	PRIOR FILING DATE: 1998-06-10
47	PRIOR APPLICATION NUMBER: 60/088811
48	PRIOR FILING DATE: 1998-06-10
49	PRIOR APPLICATION NUMBER: 60/088824
50	PRIOR FILING DATE: 1998-06-10
51	PRIOR APPLICATION NUMBER: 60/088825
52	PRIOR FILING DATE: 1998-06-10
53	PRIOR APPLICATION NUMBER: 60/088826
54	PRIOR FILING DATE: 1998-06-10
55	PRIOR APPLICATION NUMBER: 60/088861
56	PRIOR FILING DATE: 1998-06-11
57	PRIOR APPLICATION NUMBER: 60/088863
58	PRIOR FILING DATE: 1998-06-11
59	PRIOR APPLICATION NUMBER: 60/088876
60	PRIOR FILING DATE: 1998-06-11
61	PRIOR APPLICATION NUMBER: 60/089090
62	PRIOR FILING DATE: 1998-06-12
63	PRIOR APPLICATION NUMBER: 60/089105
64	PRIOR FILING DATE: 1998-06-12
65	PRIOR APPLICATION NUMBER: 60/089512
66	PRIOR FILING DATE: 1998-06-16
67	PRIOR APPLICATION NUMBER: 60/089514
68	PRIOR FILING DATE: 1998-06-16
69	PRIOR APPLICATION NUMBER: 60/089538
70	PRIOR FILING DATE: 1998-06-17
71	PRIOR APPLICATION NUMBER: 60/089598
72	PRIOR FILING DATE: 1998-06-17
73	PRIOR APPLICATION NUMBER: 60/089653

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; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089908

Alignment Scores:
Pred. No.:      3,89e-37          Length:      2870
Score:           443.50            Matches:       73
Percent Similarity: 67.33%         Conservative:  28
Best Local Similarity: 48.67%        Mismatches:   48
Query Match:     45.26%             Indels:        1
DB:              12                  Gaps:          1

US-09-695-369A-38 (1-173) x US-10-052-586-473 (1-2870)

QY    2  ASpcysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys  21
      |||||:::  ::::  ||:::  ||:::  ||  |||||  ||  ::|||
Db    281  GACTGTAGACAGCAAGAATTCCAGGGATCGCTGTGGAACACTGTGTTCCCTGCACACCAGTG  340

QY    22  GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlnGlyGlyAspAlaTyrCys  41
      |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
Db    341  GGCCAGCATGAGATTGTCTTAAGAAATGTGCTTCGGCTATGGGAGAGATGCACAGTGT  400

QY    42  ThrAlaCysProProArgArgTyrLysSerSerTrrpGlyHisHisLysCysGlnSerCys  61
      ||  ||  ||  ||  ||  ||  ||  ||  ||  ||  ||  ||  ||  ||  ||  ||
Db    401  GTGACGTGCCGGCTGCACAGGTTCAGAGAGAGACATGGGGCTTCCAGAAATGCACAGCCCTGT  460

QY    62  IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla  81
      :::  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
Db    461  CTGGACTGCCCACTGTGTGAACCCGCTTTCAGAAAGCAAATTGTTCAGCCACCATGATGCC  520

QY    82  ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyLeuGlnAsp  101
      ::::  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
Db    521  ATCTGCGGGACTGCTTGCACAGATTTATAGAGAAGACGAACCTTGTGGCTTTCAGAGC  580

QY    102  GlnglucySileProcysThrlYsgInThrProthrSerGlValGlnCysAlaPheGln  121
      |||||  ::::  |||||  ||  ||  ||  ||  ||  ||  ||  ||  ||  ||
Db    581  AITGAGTGTGTGCCCTGTGTGGAGAGACCCTCCTCCTTACGAACCGCACTGTGCCAGCAG  640

QY    122  LeuSerLeuValGluAlaAspAlaProThrValProProGlnGluAlaThrLeuValAla  141
      ::::  |||||  ::::  :::  ||  ||  ||  ||  ||  ||  ||  ||  ||
Db    641  GTCAACCTGTGAAGATCGCGCTCCACAGGCTCCACGCCACGGGACACGGCGCTGGCTGCC  700

QY    142  LeuGluValCysCysSerLeuArgLeuIle  151
      ::  ::  ||  ||  ::  ||  ::  ::  ::  ::  ::  ::  ::  ::  ::  ::
Db    701  GTT--ATCTGCAGCGCTCTGGCCACCGTC  727

RESULT 12
US-09-782-980-25
; Sequence 25, Application US/09782980
; Patent No. US20020072089A1
; GENERAL INFORMATION:
; APPLICANT: Khodadoust, Mehran M.
; APPLICANT: Macbeth, Kyle J.
; APPLICANT: Busfield, Samantha J.
; APPLICANT: McCarthy, Sean A.
; APPLICANT: Holtzman, Douglas A.
; APPLICANT: Gu, Wei
; APPLICANT: White, David
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL ITALY, LOR-2, STRIFE, TRASH, BDSF, LRSG, AND
; TITLE OF INVENTION: SMST PROTEIN AND NUCLEIC ACID MOLECULES AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: MNI-121CP
; CURRENT APPLICATION NUMBER: US/09/782,980
; CURRENT FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/02125
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 09/448,076
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: 09/276,400
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: 60/117,580
; PRIOR FILING DATE: 1999-01-27
; PRIOR APPLICATION NUMBER: 09/014,195
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;; PRIOR FILING DATE: 1998-01-27
;; PRIOR APPLICATION NUMBER: 09/014,348
;; PRIOR FILING DATE: 1998-01-27
;; PRIOR APPLICATION NUMBER: 09/086,892
;; PRIOR FILING DATE: 1998-05-29
;; PRIOR APPLICATION NUMBER: 09/296,208
;; PRIOR FILING DATE: 1999-04-21
;; PRIOR APPLICATION NUMBER: 09/063,950
;; PRIOR FILING DATE: 1998-04-21
;; PRIOR APPLICATION NUMBER: 09/561,381
;; PRIOR FILING DATE: 2000-04-28
;; PRIOR APPLICATION NUMBER: 09/561,810
;; PRIOR FILING DATE: 2000-04-28
;; PRIOR APPLICATION NUMBER: 09/087,121
;; PRIOR FILING DATE: 1998-05-29
;; PRIOR APPLICATION NUMBER: 09/672,721
;; PRIOR FILING DATE: 2000-09-28
;; PRIOR APPLICATION NUMBER: 09/049,799
;; PRIOR FILING DATE: 1998-03-27
;; NUMBER OF SEQ ID NOS: 176
;; SOFTWARE: PatentIn Ver. 2.0
;; SEQ ID NO 25
;; LENGTH: 555
;; TYPE: DNA
;; ORGANISM: Mus musculus
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: (1)..(555)
US-09-782-980-25

Alignment Scores:
Pred. No.: 1.73e-37 Length: 555
Score: 437.50 Matches: 71
Percent Similarity: 66.67% Conservative: 29
Best Local Similarity: 47.33% Mismatches: 49
Query Match: 44.64% Indels: 1
DB: 10 Gaps: 1

US-09-695-369A-38 (1-173) x US-09-782-980-25 (1-555)

QY 2 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21
Db 10 GATTGCAGGCAGCAGGAATTCAGAGCATCTGGAACACTGTCTCTGCAACAGTGC 69
QY 22 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGluGlyGlyAspAlaTyrCys 41
r 70 GGACCTGGCATGGAGTTGTCCAGGAATGTGGCTTCGGCTATGGGAGGATGCACAGTGT 129
QY 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisLysCysGlnSerCys 61
Db 130 GTGCCCTGGAGGCCGACCGGTTTCAAGGAGACACTGGGTTTCCAGAAAGTGAAGCCATGT 189
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
Db 190 GCGAGCTGTGCGTGTGAACCGCTTCAGAGGCCCAACTGTCTCACACACCATGATGCT 249
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgLysGlyLeuGlnAsp 101
Db 250 GTCTGCGGGGAGACTGCTGCCAGGATTTTACCGGAGAACCAACTGTTGTTTCAAGAC 309
QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
Db 310 ATGAGTGTGTGCCCTGGAGAGACCACTCTCCCTACGAAACCACTGTATCCAGCAAG 369
QY 122 LeuSerLeuValGluAlaAspAlaProThrValProGlnGluAlaThrLeuValAla 141
Db 370 GTGAACCTTGTGAAGATCTCTCCACCGCTCTCCAGCCCTCGGAGACGCGGCTGCTGCC 429
QY 142 LeuGluValCysCysSerLeuArgLeuIle 151
Db 430 GTC---ATCTGCAGTGTCTCTGCGCACGCTG 456
RESULT 13

US-09-782-980-24
;; Sequence 24, Application US/09782980
;; Patent No. US20020072089A1

;; GENERAL INFORMATION:
;; APPLICANT: Khodadoust, Mehran M.
;; APPLICANT: Macbeth, Kyle J.
;; APPLICANT: Busfield, Samantha J.
;; APPLICANT: McCarthy, Sean A.
;; APPLICANT: Holtzman, Douglas A.
;; APPLICANT: Gu, Wei
;; APPLICANT: White, David
;; APPLICANT: Pan, Yang
;; TITLE OF INVENTION: NOVEL ITALY, LOR-2, STRIFE, TRASH, BDSF, LRSG, AND
;; TITLE OF INVENTION: STMSF PROTEIN AND NUCLEIC ACID MOLECULES AND USES
;; TITLE OF INVENTION: THEREFOR
;; FILE REFERENCE: MNT-121CP
;; CURRENT APPLICATION NUMBER: US/09/782,980
;; CURRENT FILING DATE: 2001-02-13
;; PRIOR APPLICATION NUMBER: PCT/US00/02125
;; PRIOR FILING DATE: 2000-01-27
;; PRIOR APPLICATION NUMBER: 09/448,076
;; PRIOR FILING DATE: 1999-11-23
;; PRIOR APPLICATION NUMBER: 09/276,400
;; PRIOR FILING DATE: 1999-03-25
;; PRIOR APPLICATION NUMBER: 60/117,580
;; PRIOR FILING DATE: 1999-01-27
;; PRIOR APPLICATION NUMBER: 09/014,195
;; PRIOR FILING DATE: 1998-01-27
;; PRIOR APPLICATION NUMBER: 09/014,348
;; PRIOR FILING DATE: 1998-01-27
;; PRIOR APPLICATION NUMBER: 09/086,892
;; PRIOR FILING DATE: 1998-05-29
;; PRIOR APPLICATION NUMBER: 09/296,208
;; PRIOR FILING DATE: 1999-04-21
;; PRIOR APPLICATION NUMBER: 09/063,950
;; PRIOR FILING DATE: 1998-04-21
;; PRIOR APPLICATION NUMBER: 09/561,381
;; PRIOR FILING DATE: 2000-04-28
;; PRIOR APPLICATION NUMBER: 09/561,810
;; PRIOR FILING DATE: 2000-04-28
;; PRIOR APPLICATION NUMBER: 09/087,121
;; PRIOR FILING DATE: 1998-05-29
;; PRIOR APPLICATION NUMBER: 09/672,721
;; PRIOR FILING DATE: 2000-09-28
;; PRIOR APPLICATION NUMBER: 09/049,799
;; PRIOR FILING DATE: 1998-03-27
;; NUMBER OF SEQ ID NOS: 176
;; SOFTWARE: PatentIn Ver. 2.0
;; SEQ ID NO 24
;; LENGTH: 642
;; TYPE: DNA
;; ORGANISM: Mus musculus
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: (1)..(642)
US-09-782-980-24

Alignment Scores:
Pred. No.: 2.12e-37 Length: 642
Score: 437.50 Matches: 71
Percent Similarity: 66.67% Conservative: 29
Best Local Similarity: 47.33% Mismatches: 49
Query Match: 44.64% Indels: 1
DB: 10 Gaps: 1

US-09-695-369A-38 (1-173) x US-09-782-980-24 (1-642)

QY 2 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21
Db 97 GATTGCAGGCAGCAGGAATTCAGAGCATCTGGAACACTGTCTCTGCAACAGTGC 156
QY 22 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGluGlyGlyAspAlaTyrCys 41
|||||

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; NUMBER OF SEQ ID NOS: 176
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 981
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (107)..(748)
US-09-782-980-22

Alignment Scores:
Pred. No.: 3,79e-37 Length: 981
Score: 437.50 Matches: 71
Percent Similarity: 66.67% Conservative: 29
Best Local Similarity: 47.33% Mismatches: 49
Query Match: 44.64% Indels: 1
DB: 10 Gaps: 1

US-09-695-369a-38 (1-173) x US-09-782-980-22 (1-981)
QY 2 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21
Db 203 GATTCAGGACGACGAGGAATTCAGGATTCGAACTGTCTCCGCAAAACAGTGC 262
QY 22 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGluGlyGlyAspAlaTyrCys 41
Db 263 GGACCTGGCATGAGTGTCTCCAAAGAAATGTGCTTCGGCTATGGGAGATGCACAGTGT 322
QY 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61
Db 323 GTGCCCTGCAGCGCCGACCGGTTCAGAGAACTGGGGTTCCAGAACTGTAAGCATGT 382
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
Db 383 GCGGACTGTGCGCTGTGAACCGCTTTCAGAGGGCCAACTGCTCACACACAGTGATGT 442
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgLleGlyLeuGlnAsp 101
Db 443 GTCTGCGGGGACTGCTTCCAGGATTTTACCGGAAGACCAACTGTTGTTTCAAGAC 502
QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
Db 503 ATGGAGTGTGTGCCCTGCGGAGACCCACCTCTCCCTACGAAACACACTGTACAGCAG 562
QY 122 LeuSerLeuValGluAlaAspAlaProThrValProProGlnGluAlaThrLeuValAla 141
Db 563 GTGACCTTGTGAAGATCTCTCCACCGTCTCCAGCCCTGCGGACACAGCGCTGCTGCC 622
QY 142 LeuGluValCysCysSerLeuArgLeuIle 151
Db 623 GTC---ATCTGCAGTGCTCTGCCACGGTG 649

RESULT 15
US-09-780-532-5
; Sequence 5, Application US/09780532
; Patent No. US20020068696A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNN-012CP
; CURRENT APPLICATION NUMBER: US/09/780,532
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 1914

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; NUMBER OF SEQ ID NOS: 176
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 981
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (107)..(748)
US-09-782-980-22

Alignment Scores:
Pred. No.: 3,79e-37 Length: 981
Score: 437.50 Matches: 71
Percent Similarity: 66.67% Conservative: 29
Best Local Similarity: 47.33% Mismatches: 49
Query Match: 44.64% Indels: 1
DB: 10 Gaps: 1

US-09-695-369a-38 (1-173) x US-09-782-980-22 (1-981)
QY 2 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21
Db 203 GATTCAGGACGACGAGGAATTCAGGATTCGAACTGTCTCCGCAAAACAGTGC 262
QY 22 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGluGlyGlyAspAlaTyrCys 41
Db 263 GGACCTGGCATGAGTGTCTCCAAAGAAATGTGCTTCGGCTATGGGAGATGCACAGTGT 322
QY 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61
Db 323 GTGCCCTGCAGCGCCGACCGGTTCAGAGAACTGGGGTTCCAGAACTGTAAGCATGT 382
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
Db 383 GCGGACTGTGCGCTGTGAACCGCTTTCAGAGGGCCAACTGCTCACACACAGTGATGT 442
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgLleGlyLeuGlnAsp 101
Db 443 GTCTGCGGGGACTGCTTCCAGGATTTTACCGGAAGACCAACTGTTGTTTCAAGAC 502
QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
Db 503 ATGGAGTGTGTGCCCTGCGGAGACCCACCTCTCCCTACGAAACACACTGTACAGCAG 562
QY 122 LeuSerLeuValGluAlaAspAlaProThrValProProGlnGluAlaThrLeuValAla 141
Db 563 GTGACCTTGTGAAGATCTCTCCACCGTCTCCAGCCCTGCGGACACAGCGCTGCTGCC 622
QY 142 LeuGluValCysCysSerLeuArgLeuIle 151
Db 623 GTC---ATCTGCAGTGCTCTGCCACGGTG 649

RESULT 15
US-09-780-532-5
; Sequence 5, Application US/09780532
; Patent No. US20020068696A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNN-012CP
; CURRENT APPLICATION NUMBER: US/09/780,532
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 1914

```

